

# Statement of Basis of the Federal Operating Permit

Equistar Chemicals, LP

Site Name: Equistar Chemicals Channelview Complex  
Area Name: Equistar Channelview Facility  
Physical Location: 8280 Sheldon Rd  
Nearest City: Channelview  
County: Harris

Permit Number: O1426  
Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 325110  
NAICS Name: Petrochemical Manufacturing

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document may include the following information:

- A description of the facility/area process description;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for periodic monitoring methods selected;
- The rationale for compliance assurance methods selected;
- A compliance status; and
- A list of available unit attribute forms.

Prepared on: September 26, 2022  
Revised on: October 23, 2023

## Operating Permit Basis of Determination

### Permit Area Process Description

Equistar Chemicals Channelview Complex consists of thirteen different process areas with many functions, emissions sources, and responsibilities. The Olefins I area (OP1) and Olefins II area (OP2) consist of a cracking and quench area, a compression and fractionation area, a pyrolysis gasoline hydrogenation area, a utilities area and a tank storage area. The C5 Recovery Unit, or Isoprene Unit, separates and purifies the components in a crude C5 feed stream. The finished products, such as isoprene, piperylene, and dicyclopentadiene (DCPD) are sold. The C4 Recovery Unit feeds crude C4 from the Olefins unit and produces butadiene and Raff I and recycles butanes and butenes. The Alkylation Process Unit reacts light olefins with isobutane in the presence of sulfuric acid to form the alkylate product, which is used in gasoline formulations. The Polybutadiene Resin Unit (Poly BD) manufactures homopolymer resins of butadiene. The Polybutadiene liquid resin product is sent to storage for blending, packaging, and/or shipment. The Styrene Maleic Anhydride (SMA) unit manufactures SMA copolymer resin from styrene and maleic anhydride monomer feeds. The Barge Dock, located on the Houston Ship Channel, consists of two piers that can load from either side, for a total of four loading berths. The dock is used to load and unload materials for the Equistar site and for the adjacent Lyondell Chemical site as well. The materials authorized for transfer by Equistar at the dock include methanol, pyrolysis fuel oil, pyrolysis gas oil, olefin feed stocks, pyrolysis gasoline, and benzene. The materials authorized for transfer by Lyondell at the dock include styrene monomer, ethylbenzene, MTBE, ETBE, acetophenone, polyols, and tertiary butyl alcohol. The Isopropanol Operating Area (IPOH) produces isopropanol by purification of crude acetone, gas compression, hydrogenation of acetone, and isopropanol recovery. The East Utilities area is comprised of miscellaneous sources including flares, oil/water separators, a hydroblasting area, and several wastewater treatment systems. The Benzene/Toluene (B/T) Unit produces benzene and toluene from a feedstock of hydrogenated pyrolysis gasoline (naphtha) produced in the Olefins Units. The Methanol Unit produces high purity methanol from light hydrocarbon feedstock. The Methyl Tertiary Butyl Ether (MTBE) Unit is a chemical manufacturing process unit.

### FOPs at Site

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: O3585

### Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Major Pollutants | VOC, SO <sub>2</sub> , PM, NO <sub>x</sub> , HAPS, CO |
|------------------|-------------------------------------------------------|

### Reading State of Texas’s Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
  - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
  - Additional Monitoring Requirements
  - New Source Review Authorization Requirements
  - Compliance Requirements
  - Protection of Stratosphere Ozone
  - Permit Location
  - Permit Shield (30 TAC § 122.148)
- Attachments
  - Applicable Requirements Summary
    - Unit Summary
    - Applicable Requirements Summary
  - Additional Monitoring Requirements
  - Permit Shield
  - New Source Review Authorization References
  - Compliance Plan
  - Alternative Requirements
- Appendix A
  - Acronym list
- Appendix B
  - Copies of major NSR authorizations

#### General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

#### Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on an OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

#### Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable

requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the "index number," detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table is based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

**Additional Monitoring Requirement.** The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

**Permit Shield.** A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

**New Source Review Authorization References.** All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

**Compliance Plan.** A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

**Alternative Requirements.** This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

## Appendix A

**Acronym list.** This attachment lists the common acronyms used when discussing the FOPs.

## Appendix B

Copies of major NSR authorizations applicable to the units covered by this permit have been included in this Appendix, to ensure that all interested persons can access those authorizations.

**Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions**

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirements Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3 for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

The applicant opted to comply with the more stringent 20% opacity standard under 30 TAC § 111.111(a)(1)(B) for all stationary vents that are subject to the 30% opacity standard under 30 TAC § 111.111(a)(1)(A).

**Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions**

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirements Summary. The basis for the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

## Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

| Regulatory Program                                                                    | Applicability (Yes/No) |
|---------------------------------------------------------------------------------------|------------------------|
| Prevention of Significant Deterioration (PSD)                                         | Yes                    |
| Nonattainment New Source Review (NNSR)                                                | Yes                    |
| Minor NSR                                                                             | Yes                    |
| 40 CFR Part 60 - New Source Performance Standards                                     | Yes                    |
| 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)   | Yes                    |
| 40 CFR Part 63 - NESHAPs for Source Categories                                        | Yes                    |
| Title IV (Acid Rain) of the Clean Air Act (CAA)                                       | No                     |
| Title V (Federal Operating Permits) of the CAA                                        | Yes                    |
| Title VI (Stratospheric Ozone Protection) of the CAA                                  | Yes                    |
| CSAPR (Cross-State Air Pollution Rule)                                                | No                     |
| Federal Implementation Plan for Regional Haze (Texas SO <sub>2</sub> Trading Program) | No                     |

## Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

## Insignificant Activities and Emission Units

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

De Minimis Sources

1. Sources identified in the “De Minimis Facilities or Sources” list maintained by TCEQ. The list is available at [https://www.tceq.texas.gov/permitting/air/newsourcereview/de\\_minimis.html](https://www.tceq.texas.gov/permitting/air/newsourcereview/de_minimis.html).

#### Miscellaneous Sources

2. Office activities such as photocopying, blueprint copying, and photographic processes.
3. Outdoor barbecue pits, campfires, and fireplaces.
4. Storage and handling of sealed portable containers, cylinders, or sealed drums.
5. Vehicle exhaust from maintenance or repair shops.
6. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
7. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
8. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
9. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
10. Well cellars.
11. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
12. Equipment used exclusively for the melting or application of wax.
13. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
14. Battery recharging areas.

#### Sources Authorized by 30 TAC Chapter 106, Permits by Rule

15. Sources authorized by §106.102: Combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil.
16. Sources authorized by §106.122: Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
17. Sources authorized by §106.141: Batch mixers with rated capacity of 27 cubic feet or less for mixing cement, sand, aggregate, lime, gypsum, additives, and/or water to produce concrete, grout, stucco, mortar, or other similar products.
18. Sources authorized by §106.143: Wet sand and gravel production facilities that obtain material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and have a production rate of 500 tons per hour or less.
19. Sources authorized by §106.148: Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations.
20. Sources authorized by §106.149: Sand and gravel production facilities that obtain material from deposits of sand and gravel consisting of natural disintegration of rock and stone, provided that crushing or breaking operations are not used and no blasting is conducted to obtain the material.
21. Sources authorized by §106.161: Animal feeding operations which confine animals in numbers specified and any associated on-site feed handling and/or feed millings operations, not including caged laying and caged pullet operations.
22. Sources authorized by §106.162: Livestock auction sales facilities.

23. Sources authorized by §106.163: All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities, other than incineration units.
24. Sources authorized by §106.229: Equipment used exclusively for the dyeing or stripping of textiles.
25. Sources authorized by §106.241: Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration.
26. Sources authorized by §106.242: Equipment used in eating establishments for the purpose of preparing food for human consumption.
27. Sources authorized by §106.243: Smokehouses in which the maximum horizontal inside cross-sectional area does not exceed 100 square feet.
28. Sources authorized by §106.244: Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption.
29. Sources authorized by §106.266: Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes.
30. Sources authorized by §106.301: Aqueous fertilizer storage tanks.
31. Sources authorized by §106.313: All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
32. Sources authorized by §106.316: Equipment used for inspection of metal products.
33. Sources authorized by §106.317: Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
34. Sources authorized by §106.318: Die casting machines.
35. Sources authorized by §106.319: Foundry sand mold forming equipment to which no heat is applied.
36. Sources authorized by §106.331: Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets.
37. Sources authorized by §106.333: Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives.
38. Sources authorized by §106.372: Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
39. Sources authorized by §106.391: Presses used for the curing of rubber products and plastic products.
40. Sources authorized by §106.394: Equipment used for compression molding and injection molding of plastics.
41. Sources authorized by §106.414: Equipment used exclusively for the packaging of lubricants or greases.
42. Sources authorized by §106.415: Laundry dryers, extractors, and tumblers used for fabrics cleaned with water solutions of bleach or detergents.
43. Sources authorized by §106.431: Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form.
44. Sources authorized by §106.432: Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents.
45. Sources authorized by §106.451: Blast cleaning equipment using a suspension of abrasives in water.
46. Sources authorized by §106.453: Equipment used for washing or drying products fabricated from metal or glass, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
47. Sources authorized by §106.471: Equipment used exclusively to store or hold dry natural gas.
48. Sources authorized by §106.531: Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities.

### **Determination of Applicable Requirements**

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to

which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at [www.tceq.texas.gov/permitting/air/nav/air\\_all\\_ua\\_forms.html](http://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html).

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at [www.tceq.texas.gov/permitting/air/nav/air\\_supportsys.html](http://www.tceq.texas.gov/permitting/air/nav/air_supportsys.html). The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

#### Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

### Determination of Applicable Requirements

| Unit ID    | Regulation                        | Index Number | Basis of Determination*                                               | Changes and Exceptions to DSS**                                                                      |
|------------|-----------------------------------|--------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| GRPCARFLR  | 40 CFR Part 65,<br>Subpar D (CAR) | 65CAR-FL     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| GRPCARFURN | 40 CFR Part 65,<br>Subpar D (CAR) | 65CAR-FUR    | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| MEOHT7001  | 40 CFR Part 65,<br>Subpar D (CAR) | 65RRRCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| MEORXR7001 | 40 CFR Part 65,<br>Subpar D (CAR) | 65RRRCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| MEOTW7001  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| MEOTW7002  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| OFXTW4371  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| OP1TW3453  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| OP1TW3616  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| OP1TW3617  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| OP2TW4616  | 40 CFR Part 65,<br>Subpar D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option | The rule citations were determined from an analysis of the rule text and the basis of determination. |

| Unit ID    | Regulation                         | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS**                                                                      |
|------------|------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| OP2TW4617  | 40 CFR Part 65,<br>Subpart D (CAR) | 65NNNCAR     | UNIT TYPE = EMISSION UNIT<br>NSPS NNN/RRR alternate compliance option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| EBGEG6901  | 30 TAC Chapter 117, Subchapter B   | R7300-10     | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                      |
| EBGEG6901  | 40 CFR Part 60, Subpart IIII       | 60IIII-E     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                      |
| EBGEG6901  | 40 CFR Part 63, Subpart ZZZZ       | 63ZZZZ-1     | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2<br>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.<br>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).<br>Stationary RICE Type = Compression ignition engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                      |
| ETFENCHLR1 | 30 TAC Chapter 117, Subchapter B   | R7ICI-01     | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Lean-burn<br>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.<br>Diesel HP Rating = Horsepower rating is 600 hp or greater, but less than 750 hp.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)<br>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average.<br>NOx Reduction = No NOx reduction<br>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000<br>Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C).<br>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option |                                                                                                      |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|            |                              |              | <p>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| ETFENCHLR1 | 40 CFR Part 60, Subpart IIII | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 560 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| ETFENCHLR1 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting formaldehyde concentration from the stationary RICE exhaust</p> <p>Crankcase = The stationary CI RICE is not equipped with a closed crankcase ventilation system.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Control Technique = Oxidation catalyst</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p>                                                                                 |                                 |

| Unit ID    | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Changes and Exceptions to DSS** |
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| EUTENADMIN | 30 TAC Chapter 117, Subchapter B | R71CI-1      | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| EUTENADMIN | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2<br>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.<br>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| EUTENAIR1  | 30 TAC Chapter 117, Subchapter B | R71C1-1      | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Lean-burn<br>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.<br>Diesel HP Rating = Horsepower rating is 300 hp or greater, but less than 600 hp.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)<br>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average.<br>NOx Reduction = No NOx reduction<br>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000<br>Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C).<br>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option<br>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.<br>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS. |                                 |
| EUTENAIR1  | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.<br>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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|           |                                  |              | <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2012.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 560 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>                                                                                       |                                 |
| EUTENAIR1 | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting formaldehyde concentration from the stationary RICE exhaust</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Control Technique = Oxidation catalyst</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p> |                                 |
| EUTENCONT | 30 TAC Chapter 117, Subchapter B | R7ICI--01    | Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| EUTENCONT | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p>                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Changes and Exceptions to DSS** |
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|           |                                  |              | <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>                                                                                                                                                                                                                                                                                                           |                                 |
| EUTENCONT | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| EUTENEOC  | 30 TAC Chapter 117, Subchapter B | R7471-6      | <p>Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| EUTENEOC  | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|           |                                  |              | Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| EUTENEOC  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p> |                                 |
| EUTENLAB  | 30 TAC Chapter 117, Subchapter B | R7471-5      | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EUTENLAB  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP less than 100 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>                                                  |                                 |
| EUTENPMDI | 30 TAC Chapter 117, Subchapter B | R7471-4      | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EUTENPMDI | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| EUTENPMDI | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP less than 100 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p>                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID  | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
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|          |                                  |              | <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EUTG1110 | 30 TAC Chapter 117, Subchapter B | R7471-10     | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| EUTG1110 | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2010.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| EUTG1110 | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| EUTG1111 | 30 TAC Chapter 117, Subchapter B | R7471-11     | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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| EUTG1111  | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| EUTG1111  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| EUTP3301B | 30 TAC Chapter 117, Subchapter B | R7471-12     | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| EUTP3301B | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2007.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = Certified engine according to §60.4211(b)(1).</p> |                                 |
| EUTP3301B | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |

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|           |                                  |              | Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EUTP803A  | 30 TAC Chapter 117, Subchapter B | R7471-13     | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel                                                                                                                                                                                                                                                                                                                        |                                 |
| EUTP803A  | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| EUTP803A  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2<br>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.<br>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).<br>Stationary RICE Type = Compression ignition engine |                                 |
| EUTP803B  | 30 TAC Chapter 117, Subchapter B | R7471-14     | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel                                                                                                                                                                                                                                                                                                                        |                                 |
| EUTP803B  | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| EUTP803B  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2<br>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.<br>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).<br>Stationary RICE Type = Compression ignition engine |                                 |
| MC4TKFEN1 | 30 TAC Chapter 117, Subchapter B | R7ICI--01    | Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| MC4TKFEN1 | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is greater than or equal to 15 and less than 20 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 600 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| MC4TKFEN1 | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| MC4TKFEN2 | 30 TAC Chapter 117, Subchapter B | R7ICI--01    | Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| MC4TKFEN2 | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is greater than or equal to 15 and less than 20 liters per cylinder.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
|-----------|----------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                                  |              | <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 600 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>                                                                                                                                                |                                 |
| MC4TKFEN2 | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                       |                                 |
| MEOPM3314 | 30 TAC Chapter 117, Subchapter B | R7471        | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                    |                                 |
| MEOPM3314 | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| MEOPM3314 | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p> |                                 |
| OP1EN1    | 30 TAC Chapter 117, Subchapter B | R7300-1      | <p>Type of Service = SRIC engine not meeting an exemption</p> <p>Fuel Fired = Petroleum-based diesel fuel</p> <p>Engine Type = Lean-burn</p> <p>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.</p> <p>Diesel HP Rating = Horsepower rating is 300 hp or greater, but less than 600 hp.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)</p>                                                                                                                                                  |                                 |

| Unit ID | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|---------|------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                              |              | <p>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>NOx Reduction = No NOx reduction</p> <p>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000</p> <p>Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option</p> <p>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p>                                                                                                                       |                                 |
| OP1EN1  | 40 CFR Part 60, Subpart IIII | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2012.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 560 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| OP1EN1  | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
|---------|----------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                                  |              | <p>Emission Limitation = Limiting formaldehyde concentration from the stationary RICE exhaust</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Control Technique = Oxidation catalyst</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OP1EN2  | 30 TAC Chapter 117, Subchapter B | R7300-2      | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OP1EN2  | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2007.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = Certified engine according to §60.4211(b)(1).</p> |                                 |
| OP1EN2  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1EN3  | 30 TAC Chapter 117, Subchapter B | R7300-3      | <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
|---------|----------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| OP1EN3  | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2010.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Options = The CI ICE rated speed is less than 2650 RPMs.</p> |                                 |
| OP1EN3  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OP2EN1  | 30 TAC Chapter 117, Subchapter B | R7300-1      | <p>Type of Service = SRIC engine not meeting an exemption</p> <p>Fuel Fired = Petroleum-based diesel fuel</p> <p>Engine Type = Lean-burn</p> <p>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.</p> <p>Diesel HP Rating = Horsepower rating is 300 hp or greater, but less than 600 hp.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)</p> <p>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|---------|------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                              |              | <p>NOx Reduction = No NOx reduction</p> <p>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000</p> <p>Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option</p> <p>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p>                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| OP2EN1  | 40 CFR Part 60, Subpart IIII | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2013.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 560 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| OP2EN1  | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting formaldehyde concentration from the stationary RICE exhaust</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p>                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Changes and Exceptions to DSS** |
|---------|----------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                                  |              | Control Technique = Oxidation catalyst<br>Monitoring System = Monitoring system other than a CPMS or CEMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| OP2EN2  | 30 TAC Chapter 117, Subchapter B | R7300-2      | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| OP2EN2  | 40 CFR Part 60, Subpart IIII     | 60IIII-E     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OP2EN2  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2<br>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction on or after December 19, 2002, but before June 12, 2006.<br>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).<br>Stationary RICE Type = Compression ignition engine                                                                                                                                                                                                                                                                                     |                                 |
| OP2EN3  | 30 TAC Chapter 117, Subchapter B | R7300-3      | Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]<br>Fuel Fired = Petroleum-based diesel fuel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| OP2EN3  | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.<br>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.<br>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.<br>Commencing = CI ICE was newly constructed after 07/11/2005.<br>Manufacture Date = Date of manufacture was after 07/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Model Year = CI ICE was manufactured in model year 2009.<br>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standards = The emergency CI ICE meets the standards applicable to non-emergency engines. |                                 |

| Unit ID  | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
|----------|----------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|          |                                  |              | <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Options = The CI ICE rated speed is less than 2650 RPMs.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP2EN3   | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ZMSENAIS | 30 TAC Chapter 117, Subchapter B | R71C1-1      | <p>Type of Service = SRIC engine not meeting an exemption</p> <p>Fuel Fired = Petroleum-based diesel fuel</p> <p>Engine Type = Lean-burn</p> <p>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.</p> <p>Diesel HP Rating = Horsepower rating is 300 hp or greater, but less than 600 hp.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)</p> <p>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>NOx Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>NOx Reduction = No NOx reduction</p> <p>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000</p> <p>Fuel Flow Monitoring = Unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.140(a)(2)(C), 117.340(a)(2)(C) or 117.440(a)(2)(C).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 3 g/hp-hr option</p> <p>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p> |                                 |
| ZMSENAIS | 40 CFR Part 60, Subpart IIII     | 60IIII-1     | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID  | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
|----------|-------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|          |                                     |              | <p>Service = CI ICE is a non-emergency engine.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005.</p> <p>Manufacture Date = Date of manufacture was after 04/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder and engine is a constant-speed engine.</p> <p>Model Year = CI ICE was manufactured in model year 2012.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Filter = The CI ICE is not equipped with a diesel particulate filter.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| ZMSENAIS | 40 CFR Part 63, Subpart ZZZZ        | 63ZZZZ-1     | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>                                                                                                                                                                                                                                                                                                                                           |                                 |
| EALTK17  | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| EALTK32  | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p>                                                                                                                     |                                 |
| EALTK32  | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | Emission Standard = HAP vapor pressure is < 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |

| Unit ID | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|         |                                     |              | <p>WW Tank Control = An external floating roof is operated and maintained per 40 CFR § 63.1062(a)(2).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe primary seal and a secondary seal.</p>                                                                                                                                                                                          |                                 |
| EALTK33 | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| EALTK33 | 40 CFR Part 60, Subpart Kb          | 60Kb-1       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>                                                                                                                                                                                                                                                        |                                 |
| EALTK33 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An external floating roof is operated and maintained per 40 CFR § 63.1062(a)(2).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe primary seal and a secondary seal.</p>                                     |                                 |
| EALTK37 | 30 TAC Chapter 115, Storage of VOCs | R5112-8      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID  | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
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|          |                                     |              | <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EALTK37  | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An internal floating roof is operated and maintained per 40 CFR § 63.1062(a)(1).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe seal.</p>                                                                      |                                 |
| EALTK402 | 30 TAC Chapter 115, Storage of VOCs | R5112-5A     | <p>Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.</p>                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EALTK402 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is greater than or equal to 76.6 and a flare is being used for control per • § 63.2470(a)- Table 4.1.a.ii.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not being used.</p> <p>Assessment Waiver = The Administrator has granted a waiver of compliance assessment.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |                                 |
| EALTK7   | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | <p>Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.</p>                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EALTK7   | 30 TAC Chapter 115, Storage of VOCs | R5112-4C     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p>                                                                                                                                                                                                                                                                                                                           |                                 |
| EALTK8    | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | <p>Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.</p>                                                                                                                                                                                                                                                                   |                                 |
| EALTK8    | 30 TAC Chapter 115, Storage of VOCs | R5112-4C     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p> |                                 |
| EBGTK6901 | 40 CFR Part 60, Subpart K           | 60K-1        | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>                                                                                                                                                                                                                                                                           |                                 |
| EBGTK6902 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                     |                                 |
| EBGTK6902 | 40 CFR Part 60, Subpart K           | 60K-2        | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less</p> <p>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K)</p>                                                                                                                                                                                                                                                                           |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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| EBGTK6904 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                              |                                 |
| EBGTK6905 | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                   |                                 |
| EBGTK6905 | 40 CFR Part 60, Subpart Ka          | 60KA-1       | Product Stored = Stored product other than a petroleum liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| EBGTK6905 | 40 CFR Part 61, Subpart FF          | 61FF-3       | Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EC4DM21   | 30 TAC Chapter 115, Storage of VOCs | R5112-1A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                   |                                 |
| EC4DM21   | 30 TAC Chapter 115, Storage of VOCs | R5112-1C     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p> |                                 |
| EC4DM21   | 40 CFR Part 63, Subpart G           | 63G-1C       | MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Emissions routed to a fuel gas system</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Hard Piping = The closed vent system is constructed of hard piping.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p>                                                                                                                                                                                       |                                 |
| EC4DM21   | 40 CFR Part 63, Subpart G           | 63G-1D       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> <p>Control Device ID = OP1FL3801</p> |                                 |
| EC4DM21   | 40 CFR Part 63, Subpart G           | 63G-1E       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> <p>Control Device ID = OP2FL4801</p> |                                 |
| EC4DM3075 | 30 TAC Chapter 115, Storage of VOCs | R5112-2A     | <p>Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                           |              | requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| EC4DM3075 | 40 CFR Part 63, Subpart G | 63G-1A       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p>                |                                 |
| EC4DM3075 | 40 CFR Part 63, Subpart G | 63G-1C       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> |                                 |
| EC4DM3075 | 40 CFR Part 63, Subpart G | 63G-1E       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p>                |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| EC4DM3075 | 40 CFR Part 63, Subpart G | 63G-1F       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> |                                 |
| EC4DM3075 | 40 CFR Part 63, Subpart G | 63G-1G       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p>                |                                 |
| EC4DM3075 | 40 CFR Part 63, Subpart G | 63G-1H       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> |                                 |

| Unit ID | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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| EC4DM59 | 30 TAC Chapter 115, Storage of VOCs | R5112-10A    | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| EC4DM59 | 40 CFR Part 63, Subpart G           | 63G-10A      | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> <p>Control Device ID = EUTFL1701</p> |                                 |
| EC4DM59 | 40 CFR Part 63, Subpart G           | 63G-10C      | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare</p> <p>Control Device ID = OP1FL3801</p> |                                 |
| EC4DM59 | 40 CFR Part 63, Subpart G           | 63G-10D      | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p>                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP2FL4801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| EC4TK3941 | 30 TAC Chapter 115, Storage of VOCs | R5112-10A    | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| EC4TK3941 | 40 CFR Part 63, Subpart G           | 63G-5A       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |
| EC4TK3941 | 40 CFR Part 63, Subpart G           | 63G-5B       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |
| EC4TK3942 | 30 TAC Chapter 115, Storage of VOCs | R5112-10A    | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|           |                                     |              | requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| EC4TK3942 | 40 CFR Part 63, Subpart G           | 63G-5A       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |
| EC4TK3942 | 40 CFR Part 63, Subpart G           | 63G-5B       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |
| EC5DM56   | 30 TAC Chapter 115, Storage of VOCs | R5112-1A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| EC5TK21   | 30 TAC Chapter 115, Storage of VOCs | R5112-2A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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| EC5TK27   | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                             |                                 |
| EC5TK30   | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                             |                                 |
| EC5TK31   | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                             |                                 |
| EC5TK3116 | 30 TAC Chapter 115, Storage of VOCs | R5112-3      | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                       |                                 |
| EC5TK317  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia         |                                 |
| EC5TK36   | 30 TAC Chapter 115, Storage of VOCs | R5112-5      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia |                                 |
| EC5TK36   | 30 TAC Chapter 115, Storage of VOCs | R5112-5B     | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                           |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Changes and Exceptions to DSS** |
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|            |                                     |              | Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia                                                                                                                                                                                                       |                                 |
| ECUSMLTK40 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                                  |                                 |
| ECUSMLTK40 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| ECUSMLTK41 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                                  |                                 |
| ECUSMLTK41 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EMTTK12    | 30 TAC Chapter 115, Storage of VOCs | R5112-3A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                               |                                 |
| EMTTK12    | 30 TAC Chapter 115, Storage of VOCs | R5112-3C     | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using a submerged fill pipe and vapor recovery system<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Other vapor destruction unit |                                 |
| EMTTK18    | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

| Unit ID | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|         |                                     |              | requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| EMTTK18 | 30 TAC Chapter 115, Storage of VOCs | R5112-4C     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p>                                                                                             |                                 |
| EMTTK19 | 30 TAC Chapter 115, Storage of VOCs | R5112-5A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| EMTTK19 | 30 TAC Chapter 115, Storage of VOCs | R5112-5C     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p>                                                                                             |                                 |
| EMTTK26 | 30 TAC Chapter 115, Storage of VOCs | R5112-7      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |

| Unit ID | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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| EMTTK26 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p>                                                                                                                                                                        |                                 |
| EMTTK4  | 30 TAC Chapter 115, Storage of VOCs | R5112-9A     | <p>Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| EMTTK4  | 40 CFR Part 63, Subpart G           | 63G-9A       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = EUTFL1701.</p> |                                 |
| EMTTK4  | 40 CFR Part 63, Subpart G           | 63G-9C       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p>                                       |                                 |

| Unit ID | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|         |                                     |              | Control Device ID = OP1FL3801.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| EMTTK4  | 40 CFR Part 63, Subpart G           | 63G-9D       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP2FL4801.</p>                                                                                                             |                                 |
| EMTTK47 | 30 TAC Chapter 115, Storage of VOCs | R5112-13     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                          |                                 |
| EMTTK47 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved.</p> |                                 |
| EMTTK47 | 40 CFR Part 63, Subpart G           | 63G-9        | MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p>                                                                                                                                                                                                            |                                 |
| EMTTK5     | 30 TAC Chapter 115, Storage of VOCs | R5112-10A    | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                          |                                 |
| EMTTK5     | 30 TAC Chapter 115, Storage of VOCs | R5112-10C    | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p> |                                 |
| EUTDM01086 | 40 CFR Part 60, Subpart Kb          | 60Kb-39A     | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 2.2 psia but less than 4.0 psia</p> <p>Storage Vessel Description = Emission controls not required (fixed roof)</p>                                                                                                              |                                 |
| EUTDM01086 | 40 CFR Part 60, Subpart Kb          | 60Kb-39C     | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p>                                                                                                                                                                                                                                    |                                 |
| EUTDM01086 | 40 CFR Part 60, Subpart Kb          | 60Kb-39E     | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 4.0 psia but less than 11.1 psia</p>                                                                                                                                                                                             |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
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|            |                            |              | Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EUTDM01086 | 40 CFR Part 61, Subpart FF | 61FF-18A     | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare</p> |                                 |
| EUTDM01086 | 40 CFR Part 63, Subpart G  | 63G-28A      | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is greater than 75m<sup>3</sup> but less than 151m<sup>3</sup> and vapor pressure of liquid stored is less than 13.1 kPa</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| EUTDM01086 | 40 CFR Part 63, Subpart G  | 63G-28B      | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Emission Control Type = Fixed roof tank vented through a closed vent system that routes the organic HAP vapors vented from the wastewater tank to a control device</p> <p>New Source = The source is an existing source.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|------------|----------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                            |              | <p>Negative Pressure = The fixed roof and closed vent systems are not operated and maintained under negative pressure.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172</p> <p>By-pass Lines = Closed vent system has no by-pass lines</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| EUTTK1101A | 40 CFR Part 61, Subpart FF | 61FF-1A      | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare</p> |                                 |
| EUTTK1101B | 40 CFR Part 61, Subpart FF | 61FF-1A      | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
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|            |                            |              | <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare</p>                                                                                                                                                                                                                                                                                                                                                           |                                 |
| EUTTK88014 | 40 CFR Part 60, Subpart Kb | 60Kb-39A     | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia</p> <p>Storage Vessel Description = Emission controls not required (fixed roof)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| EUTTK88014 | 40 CFR Part 60, Subpart Kb | 60Kb-39B     | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| EUTTK88014 | 40 CFR Part 60, Subpart Kb | 60Kb-39C     | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| EUTTK88014 | 40 CFR Part 61, Subpart FF | 61FF-18A     | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| EUTTK88014 | 40 CFR Part 63, Subpart G           | 63G-28A      | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank greater than or equal to 151m3 and vapor pressure of liquid stored is less than 5.2 kPa</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| EUTTK88014 | 40 CFR Part 63, Subpart G           | 63G-28B      | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Emission Control Type = Fixed roof tank vented through a closed vent system that routes the organic HAP vapors vented from the wastewater tank to a control device</p> <p>New Source = The source is an existing source.</p> <p>Negative Pressure = The fixed roof and closed vent systems are not operated and maintained under negative pressure.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172</p> <p>By-pass Lines = Closed vent system has no by-pass lines</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> |                                 |
| GRPBTBZTK  | 30 TAC Chapter 115, Storage of VOCs | R5112-3      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| GRPBTBZTK  | 40 CFR Part 63, Subpart G           | 63G-3        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p>                                                                                                                                                                                                             |                                 |
| GRPC4MTTK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | <p>Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| GRPC4MTTK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-4C     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor destruction unit</p>                                                                                                                                                                    |                                 |
| GRPC4MTTK1 | 40 CFR Part 63, Subpart G           | 63G-1A       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = EUTFL1701.</p> |                                 |

| Unit ID    | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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| GRPC4MTTK1 | 40 CFR Part 63, Subpart G | 63G-1C       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Emissions routed to a fuel gas system</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Hard Piping = The closed vent system is constructed of hard piping.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p>                   |                                 |
| GRPC4MTTK1 | 40 CFR Part 63, Subpart G | 63G-1E       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |
| GRPC4MTTK1 | 40 CFR Part 63, Subpart G | 63G-1F       | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Flare.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |

| Unit ID  | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
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| GRPC5TK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| GRPC5TK2 | 30 TAC Chapter 115, Storage of VOCs | R5112-4A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| GRPC5TK2 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is less than 76.6 and a flare is being used for control per § 63.2470(a)-Table 4.1.b.iii.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not being used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver was not requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>HAL Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Prior Test = The data from a prior performance test is not used.</p> <p>Test Waiver = The Administrator has not granted a waiver of the performance test or no waiver has been requested.</p> <p>Formaldehyde = The stream does not contain formaldehyde.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |                                 |
| GRPECUDM | 30 TAC Chapter 115, Storage of VOCs | R5112-1A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| GRPECUDM | 40 CFR Part 60, Subpart Kb          | 60Kb-1A      | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |

| Unit ID  | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|          |                              |              | Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| GRPECUDM | 40 CFR Part 60, Subpart Kb   | 60Kb-1C      | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| GRPECUDM | 40 CFR Part 61, Subpart FF   | 61FF-1A      | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Closed Vent System and Control Device = No closed vent system and control device is used.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare</p> |                                 |
| GRPECUDM | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is greater than or equal to 76.6 and a flare is being used for control per • 63.2470(a)- Table 4.1.a.ii.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not being used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver was not requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID  | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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|          |                                     |              | Bypass Line = No bypass lines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| GRPMEOTK | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                      |                                 |
| GRPMEOTK | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> |                                 |
| GRPMTTK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                               |                                 |
| GRPMTTK1 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> |                                 |
| GRPMTTK2 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>                                                                                                                                                                                                                                                                   |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                              |                                 |
| GRPMTTK2   | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> |                                 |
| GRPOLTGHVY | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                               |                                 |
| GRPOLTGHVY | 40 CFR Part 63, Subpart YY          | 63YY-1       | <p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>                                                                                                                                                                                                                                                                                                                                                         |                                 |
| GRPOLTKIFR | 30 TAC Chapter 115, Storage of VOCs | R5112-3      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                      |                                 |
| GRPOLTKIFR | 40 CFR Part 60, Subpart K           | 60K-3A       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum (other than crude oil) or condensate</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p>                                                                                                |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                                     |              | Reid Vapor Pressure = Reid vapor pressure not determined                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| GRPOLTIFR | 40 CFR Part 60, Subpart K           | 60K-3B       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.5 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less</p>                                                                                            |                                 |
| GRPOLTIFR | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| GRPOP1TK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| GRPOP1TK1 | 40 CFR Part 60, Subpart K           | 60K-1A       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum (other than crude oil) or condensate</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p>                                                                                                                                                                 |                                 |
| GRPOP1TK1 | 40 CFR Part 60, Subpart K           | 60K-1B       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.5 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| GRPOP1TK1 | 40 CFR Part 61, Subpart FF          | 61FF-17      | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using an external floating roof that meets the requirements of 40 CFR § 60.112b(a)(2)</p> <p>Seal Type = Mechanical shoe primary seal</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| GRPOP1TK1 | 40 CFR Part 63, Subpart G           | 63G-27       | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Designated Group 1 = The tank does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Emission Control Type = External floating roof that meets the requirements specified in 40 CFR § 63.119(c), 40 CFR § 63.120(b)(5), and 40 CFR § 63.120(b)(6)</p> <p>New Source = The source is an existing source.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved.</p> |                                 |
| GRPOP1TK1 | 40 CFR Part 63, Subpart YY          | 63YY-1       | <p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| GRPOP1TK5 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID   | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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| GRPOP1TK5 | 40 CFR Part 63, Subpart YY   | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                              |                                 |
| GRPOP1TK6 | 40 CFR Part 60, Subpart Kb   | 60Kb-3A      | Product Stored = Waste mixture of indeterminate or variable composition<br>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia<br>Storage Vessel Description = Emission controls not required (fixed roof)                                                                                                                        |                                 |
| GRPOP1TK6 | 40 CFR Part 60, Subpart Kb   | 60Kb-3B      | Product Stored = Waste mixture of indeterminate or variable composition<br>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal                                                                                            |                                 |
| GRPOP1TK6 | 40 CFR Part 61, Subpart FF   | 61FF-4       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.<br>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)<br>Seal Type = Mechanical shoe seal                                                                                                 |                                 |
| GRPOP1TK6 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).<br>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.<br>Wastewater Tank Properties = Volume of the wastewater tank greater than or equal to 151 m <sup>3</sup> and vapor pressure of liquid stored is less than 5.2 kPa. |                                 |
| GRPOP1TK6 | 40 CFR Part 63, Subpart G    | 63G-4        | Process Wastewater = The tank receives, manages, or treats process wastewater streams<br>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.<br>Wastewater Tank Properties = Properties do not qualify for exemption<br>Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e)            |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved.</p>                                                                                                                                                                                                                                                                                                              |                                 |
| GRPOP1TK6 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| GRPOP2TK1 | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| GRPOP2TK1 | 40 CFR Part 60, Subpart K           | 60K-1B       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.5 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less</p>                                                                                            |                                 |
| GRPOP2TK1 | 40 CFR Part 60, Subpart K           | 60K-2A       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum (other than crude oil) or condensate</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p>                                                                                                                                                                 |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
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| GRPOP2TK1 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                         |                                 |
| GRPOP2TK2 | 30 TAC Chapter 115, Storage of VOCs | R5112-5      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia                                      |                                 |
| GRPOP2TK2 | 40 CFR Part 63, Subpart G           | 63G-2        | MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).<br>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.<br>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)<br>Emission Control Type = Internal floating roof<br>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111) |                                 |
| GRPOP2TK5 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                |                                 |
| GRPOP2TK5 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                         |                                 |
| GRPOP2TK6 | 40 CFR Part 60, Subpart Kb          | 60Kb-8       | Product Stored = Waste mixture of indeterminate or variable composition<br>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal                                                                                                       |                                 |

| Unit ID   | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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| GRPOP2TK6 | 40 CFR Part 61, Subpart FF   | 61FF-5       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| GRPOP2TK6 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank greater than or equal to 151 m<sup>3</sup> and vapor pressure of liquid stored is less than 5.2 kPa.</p>                                                                                                                                                                                                                                                                                                                                         |                                 |
| GRPOP2TK6 | 40 CFR Part 63, Subpart G    | 63G-11       | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75m<sup>3</sup> and storing liquid with any vapor pressure</p>                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| GRPOP2TK6 | 40 CFR Part 63, Subpart G    | 63G-7        | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Properties do not qualify for exemption</p> <p>Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b)</p> <p>New Source = The source is an existing source.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved.</p> |                                 |
| GRPOP2TK6 | 40 CFR Part 63, Subpart YY   | 63YY-1       | <p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

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| GRPOP2TK7  | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                |                                 |
| GRPSMLTANK | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia |                                 |
| GRPSMLTANK | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia                               |                                 |
| GRPSMLTANK | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRPTKNOAPP | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                        |                                 |
| GRPTKNOAPP | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| MBTDM4009  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls                                                                                                          |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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|           |                                     |              | True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| MBTDM4009 | 40 CFR Part 63, Subpart G           | 63G-10       | MACT Subpart F/G Applicability = The unit is a Group 2 vessel.<br>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.<br>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| MBTTK3112 | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Welded tank using an external floating roof<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Primary Seal = Mechanical shoe<br>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized |                                 |
| MBTTK3112 | 40 CFR Part 63, Subpart G           | 63G-2        | MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).<br>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.<br>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)<br>Emission Control Type = External floating roof<br>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal                                                                                         |                                 |
| MBTTK3113 | 30 TAC Chapter 115, Storage of VOCs | R5112-4      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia                                                                                                                                                               |                                 |
| MBTTK3113 | 40 CFR Part 63, Subpart G           | 63G-4        | MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

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|           |                                     |              | <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p>                                                                                                                                                                                                                                                                                                        |                                 |
| MBTTK3114 | 30 TAC Chapter 115, Storage of VOCs | R5112-6      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                       |                                 |
| MBTTK3114 | 40 CFR Part 63, Subpart G           | 63G-6        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p>                                                                                                                                  |                                 |
| MBTTK3115 | 30 TAC Chapter 115, Storage of VOCs | R5112-5      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| MBTTK3115 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An external floating roof is operated and maintained per 40 CFR § 63.1062(a)(2).</p>                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe primary seal and a secondary seal.</p>                                                                                                                                                                                                    |                                 |
| MBTTK3115 | 40 CFR Part 63, Subpart G           | 63G-2        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = External floating roof</p> <p>Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal</p> |                                 |
| MBTTK4002 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                                                         |                                 |
| MBTTK4002 | 40 CFR Part 63, Subpart G           | 63G-6        | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>                                                                                                                                                                                                                                                                                          |                                 |
| MBTTK4003 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                |                                 |
| MBTTK4003 | 40 CFR Part 63, Subpart G           | 63G-7        | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>                                                                                                                                                                                                                                                                                          |                                 |
| MBTTK4004 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Product Stored = VOC other than crude oil or condensate</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

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|           |                                     |              | <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                               |                                 |
| MBTTK4004 | 40 CFR Part 63, Subpart G           | 63G-8        | <p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel.</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>                                                                                                                                                                                                                                          |                                 |
| MBTTK4011 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                          |                                 |
| MEOSP7045 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MIPTK2615 | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                       |                                 |
| MIPTK2615 | 40 CFR Part 60, Subpart Kb          | 60Kb-3       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p> <p>Storage Vessel Description = Emission controls not required (fixed roof)</p>                                                                                                                                                                                              |                                 |

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| MIPTK2615 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An internal floating roof is operated and maintained per 40 CFR § 63.1062(a)(1).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank uses an unslotted guide pole.</p> <p>Wiper or Seal = The unslotted guide pole is equipped with a pole wiper and a pole sleeve.</p> <p>Seal Configuration = Mechanical shoe seal.</p>            |                                 |
| MIPTK3105 | 30 TAC Chapter 115, Storage of VOCs | R5112-3      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                      |                                 |
| MIPTK3105 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An internal floating roof is operated and maintained per 40 CFR § 63.1062(a)(1).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe seal.</p> |                                 |
| MIPTK3106 | 30 TAC Chapter 115, Storage of VOCs | R5112-4      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                      |                                 |
| MIPTK3107 | 30 TAC Chapter 115, Storage of VOCs | R5112-5      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>                                                                                                                                                                                                                                                                                                                                   |                                 |

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|           |                                     |              | Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia                                                                                                                                                                                                                                                                               |                                 |
| MIPTK3108 | 30 TAC Chapter 115, Storage of VOCs | R5112-6      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia                               |                                 |
| MIPTK3109 | 30 TAC Chapter 115, Storage of VOCs | R5112-7      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia                               |                                 |
| MIPTK3110 | 30 TAC Chapter 115, Storage of VOCs | R5112-4      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia |                                 |
| MIPTK3110 | 40 CFR Part 61, Subpart FF          | 61FF-1       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.<br>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)<br>Seal Type = Mechanical shoe seal                                                                                                     |                                 |
| MIPTK3110 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | Emission Standard = HAP vapor pressure is < 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.                                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>WW Tank Control = An internal floating roof is operated and maintained per 40 CFR § 63.1062(a)(1).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe seal.</p>                                                                                      |                                 |
| MIPTK3123 | 30 TAC Chapter 115, Storage of VOCs | R5112-7      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                      |                                 |
| MIPTK3123 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p> |                                 |
| MIPTK3124 | 30 TAC Chapter 115, Storage of VOCs | R5112-7      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                      |                                 |
| MIPTK3124 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p>                                                                                                                             |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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|           |                                     |              | Emission Control Type = Internal floating roof<br>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| MPBDM3219 | 30 TAC Chapter 115, Storage of VOCs | R5112-2      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia |                                 |
| MPBTK3205 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia         |                                 |
| MPBTK3207 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia         |                                 |
| MPBTK3208 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia         |                                 |
| MPBTK3209 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                           |                                 |

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|           |                                     |              | <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                  |                                 |
| MPBTK3210 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> |                                 |
| MPBTK3211 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                        |                                 |
| MPBTK3212 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>         |                                 |
| MPBTK3213 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                        |                                 |

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| MPBTK3214 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3215 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                |                                 |
| MPBTK3216 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3217 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3218 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p>                                                                        |                                 |

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|            |                                     |              | True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| MPBTK3219  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3221  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3224  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3233X | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| MPBTK3233X | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>                                                                                                                                                                                                                                                                                                                                                                             |                                 |

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| MPBTRAILER | 30 TAC Chapter 115, Storage of VOCs | R5112-16     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p> |                                 |
| OFXDM4310  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                            |                                 |
| OFXDM4310  | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OFXDM4311  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                            |                                 |
| OFXDM4311  | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OFXDM4383  | 30 TAC Chapter 115, Storage of VOCs | R5112-8A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                         |                                 |

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| OFXDM4383 | 40 CFR Part 61, Subpart FF | 61FF-1A      | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |
| OFXDM4383 | 40 CFR Part 61, Subpart FF | 61FF-1B      | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |

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| OP1DM3903  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> |                                 |
| OP1DM3903  | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP1DM3904  | 30 TAC Chapter 115, Storage of VOCs | R5112-24A    | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                            |                                 |
| OP1SMLTK26 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is less than or equal to 1,000 gallons</p>                                                                                                                                                                                                                |                                 |
| OP1SMLTK26 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP1SMLTK30 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> |                                 |
| OP1SMLTK30 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP1SMLTK50 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                |                                 |

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|            |                                     |              | Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| OP1SMLTK50 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1SMLTK51 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1SMLTK51 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1SP3902  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1SU3406  | 40 CFR Part 61, Subpart FF          | 61FF-6       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.<br>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.<br>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.<br>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.<br>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).<br>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance<br>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.<br>Bypass Line Valve = A flow indicator is used to monitor the by-pass line. |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| OP1SU3406 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU3406 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

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| OP1SU3406 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                            |              | Alternate Monitoring Parameters = Alternate monitoring parameters not requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| OP1SU3407 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU3407 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

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| OP1SU3407 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU3407 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID   | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|           |                              |              | <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU3407 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75 m<sup>3</sup> and storing liquid with any vapor pressure,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OP1SU3407 | 40 CFR Part 63, Subpart G    | 63G-11       | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75m<sup>3</sup> and storing liquid with any vapor pressure</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| OP1SU3502 | 40 CFR Part 61, Subpart FF   | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

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| OP1SU3502 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total</p>                                          |                                 |

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|           |                            |              | <p>organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1SU3502 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU3502 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| OP1SU3671 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |

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| OP1SU3671 | 40 CFR Part 61,<br>Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU3671 | 40 CFR Part 61,<br>Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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| OP1SU3671  | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU38099 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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| OP1SU38099 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> |                                 |

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| OP1SU38099 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1SU38099 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |

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| OP1TK3406 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1TK3406 | 40 CFR Part 61, Subpart FF          | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> |                                 |

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| OP1TK3406 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

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| OP1TK3406 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> |                                 |

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|           |                                     |              | Alternate Monitoring Parameters = Alternate monitoring parameters not requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OP1TK3455 | 40 CFR Part 60, Subpart Kb          | 60Kb-1       | Product Stored = Waste mixture of indeterminate or variable composition<br>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP1TK3455 | 40 CFR Part 61, Subpart FF          | 61FF-5       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.<br>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)<br>Seal Type = Mechanical shoe seal                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| OP1TK3455 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| OP1TK3458 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                                                                                                                                                                                                                                                |                                 |
| OP1TK3458 | 40 CFR Part 61, Subpart FF          | 61FF-6       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.<br>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.<br>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.<br>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.<br>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than |                                 |

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| OP1TK3458 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1TK3458 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

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|           |                            |              | <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP1TK3458 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p>                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                 |                                 |
| OP1TK3501  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> |                                 |
| OP1TK3501  | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP1TK3601  | 30 TAC Chapter 115, Storage of VOCs | R5112-6      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                               |                                 |
| OP1TK3601  | 30 TAC Chapter 115, Storage of VOCs | R5112-6B     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p> |                                 |
| OP1TK38008 | 40 CFR Part 61, Subpart FF          | 61FF-2       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p>                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|            |                              |              | <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>                                                                                                                                                                                        |                                 |
| OP1TK38008 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75 m<sup>3</sup> and storing liquid with any vapor pressure,</p> |                                 |
| OP1TK38008 | 40 CFR Part 63, Subpart G    | 63G-2        | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75m<sup>3</sup> and storing liquid with any vapor pressure</p>                                                   |                                 |
| OP1TK38008 | 40 CFR Part 63, Subpart YY   | 63YY-1       | <p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>                                                                                                                                                                                                                                                                                                          |                                 |
| OP1TK38009 | 40 CFR Part 61, Subpart FF   | 61FF-3       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>                                                                 |                                 |
| OP1TK38009 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75 m<sup>3</sup> and storing liquid with any vapor pressure,</p> |                                 |
| OP1TK38009 | 40 CFR Part 63, Subpart G    | 63G-3        | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p>                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75m<sup>3</sup> and storing liquid with any vapor pressure</p>                                                                                                                                           |                                 |
| OP1TK38009 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                            |                                 |
| OP1TK38303 | 30 TAC Chapter 115, Storage of VOCs | R5112-12     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| OP1TK38303 | 30 TAC Chapter 115, Storage of VOCs | R5112-12A    | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>    |                                 |
| OP1TK3903  | 40 CFR Part 60, Subpart Kb          | 60Kb-E1      | <p>Product Stored = Waste mixture of indeterminate or variable composition</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>                                                                                                                                                                                                          |                                 |
| OP1TK3903  | 40 CFR Part 60, Subpart Kb          | 60Kb-E2      | Product Stored = Stored product other than volatile organic liquid or petroleum liquid                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1TK3908  | 30 TAC Chapter 115, Storage of VOCs | R5112-7A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                 |                                 |
| OP1TK3909  | 30 TAC Chapter 115, Storage of VOCs | R5112-8A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                 |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| OP1TK3910 | 30 TAC Chapter 115, Storage of VOCs | R5112-9A     | Alternate Control Requirement = Using alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria, and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ executive director.                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| OP1TK3911 | 30 TAC Chapter 115, Storage of VOCs | R5112-4      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| OP1TK3911 | 40 CFR Part 60, Subpart K           | 60K-4        | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p>                                                                                                                                                          |                                 |
| OP1TK3911 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP1TK3912 | 30 TAC Chapter 115, Storage of VOCs | R5112-4      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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| OP1TK3912 | 40 CFR Part 60, Subpart K           | 60K-5        | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p>                                                                                                                      |                                 |
| OP1TK3912 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An external floating roof is operated and maintained per 40 CFR § 63.1062(a)(2).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe primary seal and a secondary seal.</p> |                                 |
| OP1TK3943 | 30 TAC Chapter 115, Storage of VOCs | R5112-E1     | <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                                                                                                                     |                                 |
| OP1TK3943 | 40 CFR Part 60, Subpart Kb          | 60Kb-1       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1TK3943 | 40 CFR Part 63, Subpart YY          | 63YY-1       | <p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| OP1TK4501 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p>                                                                       |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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| OP1TK4501  | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2SMLTK31 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia |                                 |
| OP2SMLTK31 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2SMLTK50 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                        |                                 |
| OP2SMLTK50 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2SMLTK51 | 30 TAC Chapter 115, Storage of VOCs | R5112-E      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is less than or equal to 1,000 gallons                                                                                                                                                                                                        |                                 |
| OP2SMLTK51 | 40 CFR Part 60, Subpart Kb          | 60Kb-E       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2SU4406  | 40 CFR Part 61, Subpart FF          | 61FF-6       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.<br>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.<br>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.     |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| OP2SU4406 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|           |                            |              | Alternate Monitoring Parameters = Alternate monitoring parameters not requested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP2SU4406 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU4406 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| OP2SU4406 | 40 CFR Part 63, Subpart YY | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2SU4407 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |

| Unit ID   | Regulation                    | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
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| OP2SU4407 | 40 CFR Part 61,<br>Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU4407 | 40 CFR Part 61,<br>Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |

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|           |                            |              | <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| OP2SU4407 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU4407 | 40 CFR Part 63, Subpart G  | 63G-10       | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                            |              | Wastewater Tank Properties = Volume of the wastewater tank is less than 75m <sup>3</sup> and storing liquid with any vapor pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| OP2SU4407 | 40 CFR Part 63, Subpart YY | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2SU4502 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU4502 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OP2SU4502 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |

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| OP2SU4502 | 40 CFR Part 61,<br>Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU4671 | 40 CFR Part 61,<br>Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

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|           |                            |              | <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| OP2SU4671 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU4671 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |

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| OP2SU48099 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> |                                 |

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|            |                            |              | <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2SU48099 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2SU48099 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

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|            |                            |              | <p>atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP2SU48099 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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| OP2SU48099 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                  |                                 |
| OP2TK4451  | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia                                                        |                                 |
| OP2TK4455  | 40 CFR Part 60, Subpart Kb          | 60Kb-3       | Product Stored = Waste mixture of indeterminate or variable composition<br>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia<br>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal                                                                                                |                                 |
| OP2TK4455  | 40 CFR Part 61, Subpart FF          | 61FF-2       | Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.<br>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.<br>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)<br>Seal Type = Mechanical shoe seal                                                                                                     |                                 |
| OP2TK4455  | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                  |                                 |
| OP2TK4456  | 30 TAC Chapter 115, Storage of VOCs | R5112-10     | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a submerged fill pipe<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| OP2TK4458 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| OP2TK4458 | 40 CFR Part 61, Subpart FF          | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2TK4458 | 40 CFR Part 61, Subpart FF          | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                   |                                 |
| OP2TK4458 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2TK4458 | 40 CFR Part 61, Subpart FF          | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2TK4465 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| OP2TK4465 | 40 CFR Part 61, Subpart FF          | 61FF-6       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2TK4465 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p>                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| OP2TK4465 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and with a reduction of organics being greater than or equal to 95 weight percent</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2TK4465 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                     |              | <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Closed Vent System and Control Device AMOC = Not using an alternate means of compliance</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A flow indicator is used to monitor the by-pass line.</p> <p>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen</p> <p>Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> |                                 |
| OP2TK4601  | 30 TAC Chapter 115, Storage of VOCs | R5112-9      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP2TK4601  | 30 TAC Chapter 115, Storage of VOCs | R5112-9B     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2TK48007 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|            |                              |              | <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                                        |                                 |
| OP2TK48007 | 40 CFR Part 63, Subpart YY   | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2TK48008 | 40 CFR Part 61, Subpart FF   | 61FF-2       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>                                                                 |                                 |
| OP2TK48008 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75 m<sup>3</sup> and storing liquid with any vapor pressure,</p> |                                 |
| OP2TK48008 | 40 CFR Part 63, Subpart G    | 63G-1        | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75m<sup>3</sup> and storing liquid with any vapor pressure</p>                                                   |                                 |
| OP2TK48008 | 40 CFR Part 63, Subpart YY   | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2TK48009 | 40 CFR Part 61, Subpart FF   | 61FF-3       | <p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>                                                                 |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| OP2TK48009 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Process Wastewater = Tank receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart F and 40 CFR § 63.2485(b).</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75 m<sup>3</sup> and storing liquid with any vapor pressure,</p>                                 |                                 |
| OP2TK48009 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>Process Wastewater = The tank receives, manages, or treats process wastewater streams</p> <p>Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged.</p> <p>Wastewater Tank Properties = Volume of the wastewater tank is less than 75m<sup>3</sup> and storing liquid with any vapor pressure</p>                                                                                   |                                 |
| OP2TK48009 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2TK48105 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> |                                 |
| OP2TK48303 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                       |                                 |
| OP2TK48303 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                 |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| OP2TK4901 | 30 TAC Chapter 115, Storage of VOCs | R5112-1B     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| OP2TK4901 | 40 CFR Part 60, Subpart K           | 60K-1A       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum (other than crude oil) or condensate</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p>                                                                                                                                                                 |                                 |
| OP2TK4901 | 40 CFR Part 60, Subpart K           | 60K-1B       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.5 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less</p>                                                                                            |                                 |
| OP2TK4901 | 40 CFR Part 63, Subpart YY          | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2TK4915 | 30 TAC Chapter 115, Storage of VOCs | R5112-1      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                                     |              | <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP2TK4916 | 30 TAC Chapter 115, Storage of VOCs | R5112-4      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>                                                                                                                                                                       |                                 |
| OP2TK4916 | 40 CFR Part 63, Subpart G           | 63G-1        | <p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Internal floating roof</p> <p>Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)</p>                                                                                                                                      |                                 |
| OP2TK4921 | 30 TAC Chapter 115, Storage of VOCs | R5112-12     | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| OP2TK4921 | 40 CFR Part 60, Subpart K           | 60K-4A       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum (other than crude oil) or condensate</p> <p>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p>                                                                                                                                                                 |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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| OP2TK4921 | 40 CFR Part 60, Subpart K           | 60K-4B       | <p>Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978</p> <p>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)</p> <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.5 psia</p> <p>Storage Vessel Description = Floating roof (internal or external)</p> <p>Reid Vapor Pressure = Reid vapor pressure not determined</p> <p>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less</p>                                                                                            |                                 |
| OP2TK4921 | 40 CFR Part 63, Subpart FFFF        | 63FFFF-1     | <p>Emission Standard = HAP vapor pressure is &lt; 76.6 and the unit is complying with 40 CFR Part 63, subpart WW per § 63.2470(a)-Table 4.1.b.i.</p> <p>WW Tank Control = An external floating roof is operated and maintained per 40 CFR § 63.1062(a)(2).</p> <p>Notification = The referencing subpart requires notification of initial startup.</p> <p>Unslotted Guide Pole = The tank does not use an unslotted guide pole.</p> <p>Wiper or Seal = The wiper or seal of the unslotted guide pole is at or above the pole wiper.</p> <p>Seal Configuration = Mechanical shoe primary seal and a secondary seal.</p>                                     |                                 |
| OP2TK4922 | 30 TAC Chapter 115, Storage of VOCs | R5112-6      | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Welded tank using an external floating roof</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Primary Seal = Mechanical shoe</p> <p>Secondary Seal = Secondary seal not determined since 30 TAC §§ 115.117(a)(4) or 115.117(b)(4) exemption is not utilized</p> |                                 |
| OP2TK4922 | 40 CFR Part 60, Subpart Kb          | 60Kb-1       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Pontoon-type or double-deck-type external floating roof with mechanical shoe primary seal</p>                                                                                                                                                                                                                                                        |                                 |

| Unit ID    | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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| OP2TK4922  | 40 CFR Part 63, Subpart YY                       | 63YY-1       | Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| EC4LTMISC1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-25     | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| EC4LTMISC1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-25B    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Only loading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br>Control Options = Pressurized loading system.<br>Chapter 115 Control Device Type = No control device.<br>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.     |                                 |
| EC4LTMISC1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-25E    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Only loading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br>Control Options = Pressurized loading system.<br>Chapter 115 Control Device Type = No control device.<br>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. |                                 |

| Unit ID    | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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| EC4LTMISC2 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-26     | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br><br>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EC4LTMISC2 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-26B    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br><br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br><br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br><br>Transfer Type = Only loading.<br><br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br><br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br><br>Control Options = Pressurized loading system.<br><br>Chapter 115 Control Device Type = No control device.<br><br>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.     |                                 |
| EC4LTMISC2 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-26E    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br><br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br><br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br><br>Transfer Type = Only loading.<br><br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br><br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br><br>Control Options = Pressurized loading system.<br><br>Chapter 115 Control Device Type = No control device.<br><br>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. |                                 |
| ECULR1C4   | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-2A     | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|           |                                                  |              | Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| ECULR1C4  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-2C     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |
| ECULR1C4  | 40 CFR Part 63, Subpart G                        | 63G-2        | <p>Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| ECULR1CBD | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-3A     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ECULR1CBD | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-3C     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|           |                                                  |              | <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| ECULR1CBD | 40 CFR Part 63, Subpart G                        | 63G-3        | <p>Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| ECULR2C4  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-4A     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ECULR2C4  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-4C     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |
| ECULR2C4  | 40 CFR Part 63, Subpart G                        | 63G-4        | <p>Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |

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| ECULR2CBD  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-5A     | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| ECULR2CBD  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-5C     | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Loading and unloading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br>Control Options = Vapor control system that maintains a control efficiency of at least 90%.<br>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.<br>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. |                                 |
| ECULR2CBD  | 40 CFR Part 63, Subpart G                        | 63G-5        | Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).<br>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| ECULR2MEOH | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-6      | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Loading and unloading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br>Control Options = Vapor control system that maintains a control efficiency of at least 90%.<br>Chapter 115 Control Device Type = Vapor control system with a chiller.                                                                                                                                                                                                                                                                 |                                 |

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|            |                                                  |              | Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| ECULR2MEOH | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-7      | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br><br>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| ECULR2MEOH | 40 CFR Part 63, Subpart G                        | 63G-6        | Transfer Rack Type = Group 1 transfer rack (as defined in 40 CFR § 63.111).<br><br>Closed Vent System = Closed vent system is operated and maintained under negative pressure.<br><br>Vapor Balancing System = A vapor balancing system is not being used to reduce emissions of organic hazardous air pollutants.<br><br>Emissions Routing = Emissions of organic hazardous air pollutants are not routed to a fuel gas system nor to a process where the organic hazardous air pollutants meet one or more of the ends specified in 40 CFR § 63.126(b)(4)(i) - (iv).<br><br>Bypass Lines = The vent system does not contain by-pass lines that could divert a vent stream flow away from the control device.<br><br>Halogenated Emissions = There are no halogenated emission streams from the transfer rack.<br><br>Control Device = Condenser.<br><br>Title 40 § 63.128(h) Option = The transfer rack is complying with 40 CFR § 63.128(a) or (b).<br><br>Alternate Parameter Monitoring = Approval has not been sought or has not been granted by the EPA Administrator to monitor a parameter other than those specified in 40 CFR § 63.127(a) - (b).<br><br>Shared Control Device = The control device is shared between transfer racks and process vents.<br><br>Multiple Arms = Control device is shared between multiple arms loading simultaneously. |                                 |
| ECULR2MEOH | 40 CFR Part 63, Subpart G                        | 63G-7        | Transfer Rack Type = Group 1 transfer rack (as defined in 40 CFR § 63.111).<br><br>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H.<br><br>Vapor Balancing System = A vapor balancing system is not being used to reduce emissions of organic hazardous air pollutants.<br><br>Emissions Routing = Emissions of organic hazardous air pollutants are not routed to a fuel gas system nor to a process where the organic hazardous air pollutants meet one or more of the ends specified in 40 CFR § 63.126(b)(4)(i) - (iv).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|           |                                                  |              | <p>Bypass Lines = The vent system does not contain by-pass lines that could divert a vent stream flow away from the control device.</p> <p>Halogenated Emissions = There are no halogenated emission streams from the transfer rack.</p> <p>Control Device = Flare.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ECULRACID | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-1A     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| ECULRACN  | 40 CFR Part 63, Subpart G                        | 63G-9        | <p>Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| ECULRVOC  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-7A     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| ECULRVOC  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-7B     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a chiller.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |
| ECULRVOC  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-7C     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID  | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|          |                                                  |              | <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| ECULRVOC | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-7E     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |
| ECULTC4  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-8A     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ECULTC4  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-8C     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p>                                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID    | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|            |                                                  |              | <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| ECULTC4    | 40 CFR Part 63, Subpart G                        | 63G-7        | <p>Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| ECULTNOHAP | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-10A    | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ECULTNOHAP | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-10B    | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| ECULTNOHAP | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-10D    | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |

| Unit ID  | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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| ECULTVOC | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-11A    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| ECULTVOC | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-11B    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Only loading.<br>True Vapor Pressure = True vapor pressure less than 0.5 psia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| ECULTVOC | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-11C    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Loading and unloading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.<br>Control Options = Vapor control system that maintains a control efficiency of at least 90%.<br>Chapter 115 Control Device Type = Vapor control system with a chiller.<br>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. |                                 |
| ECULTVOC | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-11E    | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Loading and unloading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|         |                                                  |              | <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EQLOAD  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-9A     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EQLOAD  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-9B     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a chiller.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |
| EQLOAD  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-9C     | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EQLOAD  | 40 CFR Part 63, Subpart G                        | 63G-8        | <p>Transfer Rack Type = Group 1 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Closed Vent System = Closed vent system is operated and maintained under negative pressure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|           |                                                  |              | <p>Vapor Balancing System = A vapor balancing system is not being used to reduce emissions of organic hazardous air pollutants.</p> <p>Emissions Routing = Emissions of organic hazardous air pollutants are not routed to a fuel gas system nor to a process where the organic hazardous air pollutants meet one or more of the ends specified in 40 CFR § 63.126(b)(4)(i) - (iv).</p> <p>Bypass Lines = The vent system does not contain by-pass lines that could divert a vent stream flow away from the control device.</p> <p>Halogenated Emissions = There are no halogenated emission streams from the transfer rack.</p> <p>Control Device = Condenser.</p> <p>Title 40 § 63.128(h) Option = The transfer rack is complying with 40 CFR § 63.128(a) or (b).</p> <p>Alternate Parameter Monitoring = Approval has not been sought or has not been granted by the EPA Administrator to monitor a parameter other than those specified in 40 CFR § 63.127(a) - (b).</p> <p>Shared Control Device = The control device is shared between transfer racks and process vents.</p> <p>Multiple Arms = Control device is shared between multiple arms loading simultaneously.</p> |                                 |
| EQLOAD    | 40 CFR Part 63, Subpart G                        | 63G-8A       | <p>Transfer Rack Type = Group 1 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Closed Vent System = Closed vent system is operated and maintained under negative pressure.</p> <p>Vapor Balancing System = A vapor balancing system is not being used to reduce emissions of organic hazardous air pollutants.</p> <p>Emissions Routing = Emissions of organic hazardous air pollutants are not routed to a fuel gas system nor to a process where the organic hazardous air pollutants meet one or more of the ends specified in 40 CFR § 63.126(b)(4)(i) - (iv).</p> <p>Bypass Lines = The vent system does not contain by-pass lines that could divert a vent stream flow away from the control device.</p> <p>Halogenated Emissions = There are no halogenated emission streams from the transfer rack.</p> <p>Control Device = Flare.</p> <p>Title 40 § 63.128(h) Option = The transfer rack is complying with 40 CFR § 63.128(a) or (b).</p> <p>Alternate Parameter Monitoring = Approval has not been sought or has not been granted by the EPA Administrator to monitor a parameter other than those specified in 40 CFR § 63.127(a) - (b).</p>                   |                                 |
| GRPLDBGDK | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-1L     | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|           |                                                  |              | <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRPLDBGDK | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-1U     | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRPLDBGDK | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-2L     | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a vapor combustor that is not considered to be a flare</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>Marine Terminal Exemptions = The marine terminal is not claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> |                                 |
| GRPLDBGDK | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-2U     | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|           |                                                  |              | <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Vapor control system with a vapor combustor that is not considered to be a flare</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> <p>Marine Terminal Exemptions = The marine terminal is not claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p>                                                                                                                                                                                                                                                                    |                                 |
| GRPLDBGDK | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-3      | <p>Chapter 115 Facility Type = Marine terminal</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Marine Terminal Exemptions = The marine terminal is claiming one or more of the loading exemptions in 30 TAC § 115.217(a)(5)(B).</p> <p>VOC Flash Point = Flash point less than 150° F.</p> |                                 |
| GRPLDBGDK | 40 CFR Part 61, Subpart BB                       | 61BB-1       | <p>Negative Applicability = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.</p> <p>Benzene By Weight = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight.</p> <p>Annual Amount Loaded = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).</p> <p>Loading Location = Marine loading only.</p> <p>Subpart BB Control Device Type = Incinerator other than a catalytic incinerator.</p> <p>Intermittent Control Device = The control device does not operate intermittently.</p> <p>Diverted Gas Stream = The vent gas stream cannot be diverted from the control device.</p>                                                                       |                                 |

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| GRPLDBGDK | 40 CFR Part 61, Subpart BB                       | 61BB-2       | <p>Negative Applicability = The loading rack loads materials other than benzene-laden waste, gasoline, crude oil, natural gas liquids, petroleum distillates or benzene-laden liquid from a coke by-product plant.</p> <p>Benzene By Weight = Concentration of benzene by weight in the liquid which is loaded is less than 70% benzene by weight.</p> <p>Annual Amount Loaded = Annual amount loaded is greater than or equal to 1.3 million liters (343,424 gallons).</p>                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| GRPLDBGDK | 40 CFR Part 63, Subpart Y                        | 63Y-1        | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is less than 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| GRPLDBGDK | 40 CFR Part 63, Subpart Y                        | 63Y-2        | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are subject to and complying with 40 CFR Part 61, Subpart BB.</p>                                                                                                                                                                                                                                                                                                                          |                                 |
| GRPLDBGDK | 40 CFR Part 63, Subpart Y                        | 63Y-3        | <p>Subpart Y Facility Type = Existing onshore loading terminal (located onshore or less than 0.5 miles from shore).</p> <p>Ballasting Operations = Operations other than or in addition to ballasting operations are performed at the facility.</p> <p>Vapor Pressure = Vapor pressure is greater than or equal to 10.3 kilopascals (1.5 psia) at standard conditions, 20° C and 760 mm Hg.</p> <p>Subpart BB Applicability = Marine vessel loading operations are not subject to and complying with 40 CFR Part 61, Subpart BB.</p> <p>Material Loaded = Material other than crude oil or gasoline.</p> <p>HAP Impurities Only = Marine vessel loading operations at loading berths transfer liquids containing organic hazardous air pollutants other than as impurities.</p> <p>Source Emissions = Source with emissions less than 10 and 25 tons.</p> |                                 |
| GRPLOADBD | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-12A    | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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| GRPLOADBD | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-12C    | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Vapor control system that maintains a control efficiency of at least 90%.</p> <p>Chapter 115 Control Device Type = Control device other than a flare, vapor combustor, catalytic incinerator, direct flame incinerator, chiller, or carbon adsorption system.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |
| GRPLOADBD | 40 CFR Part 63, Subpart G                        | 63G-1A       | <p>Transfer Rack Type = Group 1 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Closed Vent System = Closed vent system is operated and maintained under negative pressure.</p> <p>Vapor Balancing System = A vapor balancing system is not being used to reduce emissions of organic hazardous air pollutants.</p> <p>Emissions Routing = Emissions of organic hazardous air pollutants are not routed to a fuel gas system nor to a process where the organic hazardous air pollutants meet one or more of the ends specified in 40 CFR § 63.126(b)(4)(i) - (iv).</p> <p>Bypass Lines = The vent system does not contain by-pass lines that could divert a vent stream flow away from the control device.</p> <p>Halogenated Emissions = There are no halogenated emission streams from the transfer rack.</p> <p>Control Device = Flare.</p>                                                                                                                                                                                                                                                                 |                                 |
| GRPLOADBD | 40 CFR Part 63, Subpart G                        | 63G-1C       | <p>Transfer Rack Type = Group 1 transfer rack (as defined in 40 CFR § 63.111).</p> <p>Closed Vent System = Closed vent system is operated and maintained under negative pressure.</p> <p>Vapor Balancing System = A vapor balancing system is not being used to reduce emissions of organic hazardous air pollutants.</p> <p>Emissions Routing = Emissions of organic hazardous air pollutants are routed to a fuel gas system or to a process where the organic hazardous air</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID    | Regulation                                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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|            |                                                  |              | <p>pollutants meet one or more of the ends specified in 40 CFR § 63.126(b)(4)(i) - (iv).</p> <p>Bypass Lines = The vent system does not contain by-pass lines that could divert a vent stream flow away from the control device.</p>                                                                                                                                                                                                                                                            |                                 |
| GRPLOADOP1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-1      | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |                                 |
| GRPLOADPBD | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-1      | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |                                 |
| GRPLOADPBD | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-2      | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = Under 30 TAC § 115.213(a), using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p>                                                                                                          |                                 |
| OP2LOAD    | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-1      | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p> |                                 |
| EC4HT1203  | 30 TAC Chapter 117, Subchapter B                 | R7ICI-17     | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p>                                                                                                                                                                                                                                                         |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
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|           |                                  |              | <p>Fuel Type #2 = Natural gas</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>                                                                                                                                                                                                                                                                           |                                 |
| EC4HT1203 | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EC4HT302  | 30 TAC Chapter 117, Subchapter B | R7300-2      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |

| Unit ID    | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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| EC4HT302   | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)<br><br>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| GRPLIQFURN | 30 TAC Chapter 117, Subchapter B | R7ICI-4B     | Unit Type = Process heater<br><br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br><br>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.<br><br>Annual Heat Input = Annual heat input is greater than 2.2 (10 <sup>11</sup> ) Btu/yr, based on a rolling 12-month average.<br><br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)<br><br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br><br>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average<br><br>NOx Reduction = No NO <sub>x</sub> reduction<br><br>NOx Monitoring System = Predictive emissions monitoring system<br><br>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br><br>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option<br><br>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS. |                                 |
| GRPOLFUR2  | 30 TAC Chapter 117, Subchapter B | R7301        | Unit Type = Process heater<br><br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br><br>Fuel Type #1 = Natural gas<br><br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br><br>Annual Heat Input = Annual heat input is greater than 2.2 (10 <sup>11</sup> ) Btu/yr, based on a rolling 12-month average.<br><br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)<br><br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br><br>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average<br><br>NOx Reduction = Post combustion control technique with ammonia injection<br><br>NOx Monitoring System = Continuous emissions monitoring system<br><br>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).                                                                                                              |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
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|           |                                  |              | CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option<br>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2)<br>NH3 Monitoring = Mass balance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| GRPOLFURN | 30 TAC Chapter 117, Subchapter B | R7ICI-1      | Unit Type = Process heater<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>RACT Date Placed in Service = On or before November 15, 1992<br>Fuel Type #1 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 (10 <sup>11</sup> ) Btu/yr, based on a rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)<br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average<br>NOx Reduction = No NO <sub>x</sub> reduction<br>NOx Monitoring System = Predictive emissions monitoring system<br>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option<br>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS. |                                 |
| GRPOLSUHT | 30 TAC Chapter 117, Subchapter B | R7ICI-2B     | Unit Type = Process heater<br>Maximum Rated Capacity = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr<br>RACT Date Placed in Service = On or before November 15, 1992<br>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.<br>Annual Heat Input = Annual heat input is greater than 2.2 (10 <sup>11</sup> ) Btu/yr, based on a rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)<br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average<br>NOx Reduction = No NO <sub>x</sub> reduction<br>NOx Monitoring System = Continuous emissions monitoring system                                                                                                                                                                                              |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
|-----------|----------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                                  |              | <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| GRPOLSUHT | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| MEOHT7001 | 30 TAC Chapter 117, Subchapter B | R7301        | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>Annual Heat Input = Annual heat input is greater than 2.2 (10<sup>11</sup>) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Continuous emissions monitoring system</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Continuous emissions monitoring system</p> |                                 |
| OFXHT4351 | 30 TAC Chapter 117, Subchapter B | R7ICI-3      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID    | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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|            |                                  |              | <p>NO<sub>x</sub> Reduction = No NO<sub>x</sub> reduction</p> <p>NO<sub>x</sub> Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| OFXHT4351  | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OFXHT4360  | 30 TAC Chapter 117, Subchapter B | R7ICI-4      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Natural gas</p> <p>NO<sub>x</sub> Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NO<sub>x</sub> Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NO<sub>x</sub> Reduction = No NO<sub>x</sub> reduction</p> <p>NO<sub>x</sub> Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |
| OFXHT4360  | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| OFXHT4360C | 30 TAC Chapter 117, Subchapter B | R7ICI-5      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID    | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
|------------|----------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                  |              | <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>                                                                                                                            |                                 |
| OFXHT4360C | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| OFXHT4361  | 30 TAC Chapter 117, Subchapter B | R7ICI-6      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |

| Unit ID   | Regulation                          | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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| OFXHT4361 | 40 CFR Part 63,<br>Subpart DDDDD    | 63DDDDD-1    | Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)<br><br>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or less than 5 MMBtu/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1HT3415 | 30 TAC Chapter<br>117, Subchapter B | R7ICI-8A     | Unit Type = Process heater<br><br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br><br>RACT Date Placed in Service = On or before November 15, 1992<br><br>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.<br><br>Annual Heat Input = Annual heat input is greater than 2.2 (10 <sup>11</sup> ) Btu/yr, based on a rolling 12-month average.<br><br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)<br><br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br><br>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average<br><br>NOx Reduction = Post combustion control technique with ammonia injection<br><br>NOx Monitoring System = Continuous emissions monitoring system<br><br>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br><br>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option<br><br>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.<br><br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2)<br><br>NH3 Monitoring = Mass balance |                                 |
| OP1HT3415 | 30 TAC Chapter<br>117, Subchapter B | R7ICI-8B     | Unit Type = Process heater<br><br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br><br>RACT Date Placed in Service = On or before November 15, 1992<br><br>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.<br><br>Annual Heat Input = Annual heat input is greater than 2.2 (10 <sup>11</sup> ) Btu/yr, based on a rolling 12-month average.<br><br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)<br><br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br><br>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average<br><br>NOx Reduction = No NO <sub>x</sub> reduction<br><br>NOx Monitoring System = Predictive emissions monitoring system                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|           |                                  |              | <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OP1HT3415 | 30 TAC Chapter 117, Subchapter B | R7ICI-8C     | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2 (10<sup>11</sup>) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Continuous emissions monitoring system</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |
| OP1HT3415 | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| OP1HT3601 | 30 TAC Chapter 117, Subchapter B | R7ICI-4      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
|-----------|----------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                                  |              | <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OP1HT3601 | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP1HT3701 | 30 TAC Chapter 117, Subchapter B | R7ICI-3      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |
| OP1HT3701 | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| OP2HT4601 | 30 TAC Chapter 117, Subchapter B      | R7ICI-7      | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |
| OP2HT4601 | 40 CFR Part 63, Subpart DDDDD         | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input equal to or greater than 10 MMBtu/hr</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EUTFL1701 | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTFL1701 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>Out of Service = Flare was not permanently out of service by April 1, 2006.</p> <p>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.</p> <p>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.</p> <p>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.</p> <p>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.</p> <p>Flare Type = Flare is in multi-purpose service.</p> <p>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).</p>                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                           |              | <p>Multi-Purpose Usage = Flare is used for abatement of emissions from marine loading or transport vessel loading and unloading operations AND for abatement of emissions from scheduled or unscheduled maintenance, startup or shutdown activities AND as an emergency flare.</p> <p>Flow Rate = Flow rate of the gas routed to the flare is determined using the requirements of § 115.725(d)(1).</p> <p>Physical Seal = Flare is equipped with a flow monitor or indicator.</p> <p>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> |                                 |
| EUTFL1701 | 40 CFR Part 60, Subpart A | 60A-1A       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                                                     |                                 |
| EUTFL1701 | 40 CFR Part 60, Subpart A | 60A-1B       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p>                                           |                                 |
| EUTFL1701 | 40 CFR Part 60, Subpart A | 60A-1C       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p>                                 |                                 |
| EUTFL1701 | 40 CFR Part 63, Subpart A | 63A-1A       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                                        |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
|------------|---------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| EUTFL1701  | 40 CFR Part 63, Subpart A             | 63A-1B       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p>          |                                 |
| EUTFL1701  | 40 CFR Part 63, Subpart A             | 63A-1C       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> |                                 |
| MEOHFLARE  | 30 TAC Chapter 111, Visible Emissions | R1111-2      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| MEOHFLARE2 | 30 TAC Chapter 111, Visible Emissions | R1111-2      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| MPBFL2502  | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| MPBFL2502  | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>Out of Service = Flare was not permanently out of service by April 1, 2006.</p> <p>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.</p> <p>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.</p> <p>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.</p>                                                                                                                              |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                           |              | <p>Modifications to Testing/Monitoring = No modifications to test methods or monitoring methods specified in this section.</p> <p>Flare Type = Flare is in multi-purpose service.</p> <p>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).</p> <p>Multi-Purpose Usage = Flare is used for abatement of emissions from scheduled or unscheduled maintenance, startup or shutdown activities AND as an emergency flare.</p> <p>Flow Rate = Flow rate of the gas routed to the flare is determined using the requirements of § 115.725(d)(1).</p> <p>Physical Seal = Flare is equipped with a flow monitor or indicator.</p> <p>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> |                                 |
| MPBFL2502 | 40 CFR Part 63, Subpart A | 63A-1A       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| MPBFL2502 | 40 CFR Part 63, Subpart A | 63A-1B       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p>                                                                                                                                                                                                                            |                                 |
| MPBFL2502 | 40 CFR Part 63, Subpart A | 63A-1C       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p>                                                                                                                                                                                                                   |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| OLH2FLARE | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1FL3801 | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1FL3801 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>Out of Service = Flare was not permanently out of service by April 1, 2006.</p> <p>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.</p> <p>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.</p> <p>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.</p> <p>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.</p> <p>Flare Type = Flare is in multi-purpose service.</p> <p>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).</p> <p>Multi-Purpose Usage = Flare is used for abatement of emissions from scheduled or unscheduled maintenance, startup or shutdown activities AND as an emergency flare.</p> <p>Flow Rate = Flow rate of the gas routed to the flare is determined using the requirements of § 115.725(d)(1).</p> <p>Physical Seal = Flare is equipped with a flow monitor or indicator.</p> <p>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> |                                 |
| OP1FL3801 | 40 CFR Part 60, Subpart A             | 60A-1A       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1FL3801 | 40 CFR Part 60, Subpart A             | 60A-1B       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                           |              | <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p>                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1FL3801 | 40 CFR Part 60, Subpart A | 60A-1C       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p>              |                                 |
| OP1FL3801 | 40 CFR Part 63, Subpart A | 63A-1A       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                     |                                 |
| OP1FL3801 | 40 CFR Part 63, Subpart A | 63A-1B       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p>          |                                 |
| OP1FL3801 | 40 CFR Part 63, Subpart A | 63A-1C       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| OP2FL4801 | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP2FL4801 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>Out of Service = Flare was not permanently out of service by April 1, 2006.</p> <p>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.</p> <p>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.</p> <p>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.</p> <p>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.</p> <p>Flare Type = Flare is in multi-purpose service.</p> <p>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).</p> <p>Multi-Purpose Usage = Flare is used for abatement of emissions from scheduled or unscheduled maintenance, startup or shutdown activities AND as an emergency flare.</p> <p>Flow Rate = Flow rate of the gas routed to the flare is determined using the requirements of § 115.725(d)(1).</p> <p>Physical Seal = Flare is equipped with a flow monitor or indicator.</p> <p>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> |                                 |
| OP2FL4801 | 40 CFR Part 60, Subpart A             | 60A-1A       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP2FL4801 | 40 CFR Part 60, Subpart A             | 60A-1B       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID   | Regulation                                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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| OP2FL4801 | 40 CFR Part 60, Subpart A                    | 60A-1C       | <p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p>              |                                 |
| OP2FL4801 | 40 CFR Part 63, Subpart A                    | 63A-1A       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>                                                                                                                                                     |                                 |
| OP2FL4801 | 40 CFR Part 63, Subpart A                    | 63A-1B       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).</p>          |                                 |
| OP2FL4801 | 40 CFR Part 63, Subpart A                    | 63A-1C       | <p>Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>Heat Content Specification = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>Flare Assist Type = Steam assisted</p> <p>Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec).</p> <p>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).</p> |                                 |
| FUGITIVES | 30 TAC Chapter 115, HRVOC Fugitive Emissions | R5780-ALL    | SOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter H, Division 3 with no alternate control or control device.                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID   | Regulation                                         | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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|           |                                                    |              | <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Less Than 250 Components at Site = The fugitive unit is located at a site with at least 250 fugitive components in VOC service.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Alternative Work Practice in § 115.358 = No components are complying with the alternative work practice requirements in 30 TAC § 115.358.</p> |                                 |
| FUGITIVES | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352ALL     | SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| FUGITIVES | 40 CFR Part 60, Subpart VV                         | 60VVALL      | <p>SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart VV with no alternate control or control devices.</p> <p>Flare = The fugitive unit contains flares.</p> <p>Equivalent Emission Limitation = No equivalent emission limitation is used for flares.</p> <p>Complying with 40 CFR § 60.482-10 = Flares are complying with § 60.482-10.</p>                                                                                                                                                                                               |                                 |
| FUGITIVES | 40 CFR Part 61, Subpart J                          | 61J-ALL      | <p>SOP Index No. = OWNER/OPERATOR ASSUMES FUGITIVE CONTROL REQUIREMENTS FOR ALL COMPONENTS IN BENZENE SERVICE SUBJECT TO NESHAPS J WITH NO ALTERNATE CONTROL OR CONTROL DEVICE</p> <p>40 CFR 61 (NESHAP) SUBPART J DESIGN CAPACITY = SITE IS DESIGNED TO PRODUCE OR USE MORE THAN 1,000 MEGAGRAMS OF BENZENE PER YEAR</p> <p>ANY COMPONENT IN BENZENE SERVICE [NESHAP J] = THE FACILITY CONTAINS ANY COMPONENT(S) IN BENZENE SERVICE</p> <p>40 CFR 61 (NESHAP) SUBPART J ALTERNATE MEANS OF EMISSION LIMITATION (AMEL) = NOT USING ALTERNATE MEANS OF EMISSION LIMITATION.</p>                                                            |                                 |
| FUGITIVES | 40 CFR Part 61, Subpart V                          | 61V-ALL      | <p>SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in benzene service subject to 40 CFR Part 61, Subpart V with no alternate control or control device.</p> <p>AMEL = No alternate method of emission limitation is used for pumps.</p> <p>Complying with 40 CFR § 61.242-2 = Pumps are complying with 40 CFR § 61.242-2.</p> <p>AMEL = No alternate method of emission limitation is used for compressors.</p> <p>Complying with 40 CFR § 61.242-3 = Compressors are complying with § 61.242-3.</p>                                                                                      |                                 |

| Unit ID   | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|           |                              |              | <p>AMEL = No alternate method of emission limitation is used for pressure relief devices in gas/vapor service.</p> <p>Complying with 40 CFR § 61.242-4 = Pressure relief devices in gas/vapor service are complying with § 61.242-4.</p> <p>AMEL = No alternate method of emission limitation is used for pressure relief devices in liquid service.</p> <p>Complying with 40 CFR § 61.242-8 = Pressure relief devices in liquid service are complying with § 61.242-8.</p> <p>AMEL = No alternate method of emission limitation is used for sampling connection systems.</p> <p>Complying with 40 CFR § 61.242-5 = Sampling connection systems are complying with § 61.242-5.</p> <p>AMEL = No alternate method of emission limitation is used for open-ended valves or lines.</p> <p>Complying with 40 CFR § 61.242-6 = Open-ended valves or lines are complying with § 61.242-6.</p> <p>AMEL = No alternate method of emission limitation is used for valves.</p> <p>Complying with 40 CFR § 61.242-7 = Valves are complying with § 61.242-7.</p> <p>AMEL = No alternate method of emission limitation is used for flanges and other connectors.</p> <p>Complying with 40 CFR § 61.242-8 = Flanges and other connectors are complying with § 61.242-8.</p> <p>AMEL = No alternate method of emission limitation is used for product accumulator vessels.</p> <p>Complying with 40 CFR § 61.242-9 = Product accumulator vessels are complying with § 61.242-9.</p> <p>Vapor Recovery System = The fugitive unit does not contain vapor recovery systems in VHAP service.</p> <p>Enclosed Combustion Device = The fugitive unit does not contain enclosed combustion devices in VHAP service.</p> <p>Flare = The fugitive unit does not contain flares.</p> <p>AMEL (Closed-Vent Systems) = No alternate method of emission limitation is used for closed vent systems or other control devices.</p> <p>Complying with 40 CFR § 61.242-11(f)(1) = Closed vent systems are complying with § 61.242-11(f)(1).</p> |                                 |
| FUGITIVES | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| FUGITIVES | 40 CFR Part 63, Subpart H    | 63HALL       | SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                               | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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| FUGITIVES  | 40 CFR Part 63,<br>Subpart H             | 63HALL-VNT   | <p>EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE</p> <p>NON RESEARCH AND DEVELOPMENT/BATCH PROCESSES = FUGITIVE UNIT CONTAINS PROCESSES OTHER THAN RESEARCH AND DEVELOPMENT FACILITIES AND BENCH-SCALE BATCH PROCESSES</p> <p>VACUUM SERVICE = NOT ALL OF THE EQUIPMENT IN THE FUGITIVE UNIT IS IN VACUUM SERVICE</p> <p>LESS THAN 300 OPERATING HOURS = THE FUGITIVE UNIT DOES NOT CONTAIN ANY EQUIPMENT IN ORGANIC HAZARDOUS AIR POLLUTANT (HAP) SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR</p> <p>ANY (CLOSED VENT SYSTEMS) = COMPONENT PRESENT</p> <p>RECOVERY OR RECAPTURE DEVICES (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT</p> <p>ENCLOSED COMBUSTION DEVICES (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT</p> <p>FLARES (CLOSED VENT SYSTEMS) = COMPONENT PRESENT</p> <p>BYPASS LINES = FUGITIVE UNIT WITH A CLOSED-VENT SYSTEM DOES NOT CONTAIN A BY-PASS LINE THAT COULD DIVERT A VENT STREAM AWAY FROM THE CONTROL DEVICE AND TO THE ATMOSPHERE</p> <p>UNSAFE TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS DESIGNATED AS UNSAFE TO INSPECT</p> <p>DIFFICULT TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS DESIGNATED AS DIFFICULT TO INSPECT</p> |                                 |
| ECUCT1701A | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-7      | Cooling Tower Heat Exchange System Exemptions = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| ECUCT1701B | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-8      | Cooling Tower Heat Exchange System Exemptions = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| ECUCT604   | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-1      | <p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p> <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID   | Regulation                               | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Changes and Exceptions to DSS** |
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|           |                                          |              | <p>Design Capacity = Design capacity to circulate 8000 gpm or greater.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Flow Monitoring/Testing Method = Choosing to use a continuous flow monitor on each inlet of each cooling tower in accordance with § 115.764(a)(1), (b)(1), or (h)(1).</p> <p>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| MBTCT2402 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-4      | Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system in which each individual heat exchanger with greater than 100 ppmw HRVOCs is operated with the minimum pressure on the cooling water side at least 5 psig greater than the maximum pressure on the process side.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| MIPCT2401 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-5      | Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system in which each individual heat exchanger with greater than 100 ppmw HRVOCs is operated with the minimum pressure on the cooling water side at least 5 psig greater than the maximum pressure on the process side.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OP1CT3811 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-2      | <p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p> <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.</p> <p>Design Capacity = Design capacity to circulate 8000 gpm or greater.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Flow Monitoring/Testing Method = Choosing to use the maximum potential flow rate based on the manufacturer's pump performance data in accordance with §115.764(e)(1).</p> <p>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.</p> |                                 |
| OP2CT4811 | 30 TAC Chapter 115, HRVOC Cooling Towers | R5760-3      | <p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |

| Unit ID   | Regulation                           | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|           |                                      |              | <p>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.</p> <p>Design Capacity = Design capacity to circulate 8000 gpm or greater.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Flow Monitoring/Testing Method = Choosing to use the maximum potential flow rate based on the manufacturer's pump performance data in accordance with §115.764(e)(1).</p> <p>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.</p> |                                 |
| ECUSUEAPI | 30 TAC Chapter 115, Water Separation | R5131-2      | <p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| ECUSUWAPI | 30 TAC Chapter 115, Water Separation | R5131-1      | <p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EUTDM0701 | 40 CFR Part 61, Subpart FF           | 61FF-19A     | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = FLARE</p>                                                                                                                                                                                                                                                                                                                                   |                                 |
| EUTDM0701 | 40 CFR Part 63, Subpart G            | 63G-29A      | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = NO BYPASS LINE</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = FLARE</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> |                                 |
| EUTDM0801 | 40 CFR Part 61, Subpart FF | 61FF-19A     | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = FLARE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| EUTDM0801 | 40 CFR Part 63, Subpart G  | 63G-29A      | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p> <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = NO BYPASS LINE</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = FLARE</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p>                                                                                               |                                 |
| EUTDM8801 | 40 CFR Part 61, Subpart FF | 61FF-19A     | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = FLARE</p>                                                                                                                                                                                                                                                                                           |                                 |
| EUTDM8801 | 40 CFR Part 63, Subpart G  | 63G-29A      | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p> <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|           |                            |              | <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = NO BYPASS LINE</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = FLARE</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTDM8804 | 40 CFR Part 61, Subpart FF | 61FF-19A     | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = FLARE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| EUTDM8804 | 40 CFR Part 63, Subpart G  | 63G-29A      | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p> <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = NO BYPASS LINE</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> |                                 |

| Unit ID    | Regulation                           | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|            |                                      |              | Control Device Type = FLARE<br>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G<br>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13                                                                                                                                                                                                                                                                                             |                                 |
| MBTWWCPI   | 30 TAC Chapter 115, Water Separation | R5131-1      | Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.<br>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.                                                                                                                                                           |                                 |
| MEOSP3101  | 30 TAC Chapter 115, Water Separation | R5131-1      | Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.<br>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.                                                                                                                                                           |                                 |
| MPBDAPI    | 30 TAC Chapter 115, Water Separation | R5131-1      | Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.<br>Exemption = Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure less than 0.5 psia (3.4 kPa) obtained from any equipment.                                                                                                                                                           |                                 |
| OP1DM3453  | 40 CFR Part 61, Subpart FF           | 61FF-1       | Alternate Means of Compliance = NO<br>Alternative Standards for Oil-Water Separator = NO<br>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE<br>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)<br>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349<br>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE<br>Control Device Type/Operation = FLARE |                                 |
| OP1SU38094 | 40 CFR Part 61, Subpart FF           | 61FF-5       | Alternate Means of Compliance = NO<br>Alternative Standards for Oil-Water Separator = NO<br>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE<br>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)                                                                                                                                                                                                  |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                            |              | <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = CARBON ADSORPTION SYSTEM NOT REGENERATING BED DIRECTLY IN DEVICE</p> <p>Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE</p> <p>Carbon Replacement Interval = EXHAUST IS MONITORED ON A REGULAR SCHEDULE AND CARBON IS REPLACED IMMEDIATELY UPON BREAKTHROUGH</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| OP1SU38094 | 40 CFR Part 61, Subpart FF | 61FF-6       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44 MW, REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER</p> <p>Engineering Calculations = ENGINEERING CALCULATIONS ARE USED TO DEMONSTRATE CONTROL DEVICE PERFORMANCE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p> |                                 |
| OP1SU38094 | 40 CFR Part 61, Subpart FF | 61FF-7       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p>                                                                                                                                                                                                                                                                                                                                                                  |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
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|            |                            |              | <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44MW, ACHIEVING TOC CONCENTRATION OF 20 PPMV</p> <p>Engineering Calculations = ENGINEERING CALCULATIONS ARE USED TO DEMONSTRATE CONTROL DEVICE PERFORMANCE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| OP1SU38094 | 40 CFR Part 61, Subpart FF | 61FF-8       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44 MW, REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER</p> <p>Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p> |                                 |
| OP1SU38094 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44MW, ACHIEVING TOC CONCENTRATION OF 20 PPMV</p>                                                                                                                                                                                                                            |                                 |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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|            |                              |              | <p>Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1SU38094 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Process Wastewater = Oil-Water Separator receives, manages or treats process wastewater as defined in 40 CFR Part 63, Subpart FFFF</p> <p>Unit Category = Oil/water separator complies with 40 CFR § 63.137(a).</p> <p>Control Requirement = Fixed roof and a closed vent system that routes the organic hazardous air pollutant vapors vented from the oil-water separator to a control device.</p> <p>Floating Roof Alternate Monitoring Parameters = The EPA Administrator has not approved an alternate monitoring parameter for the floating roof or no alternate has been requested.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>Bypass Lines = Bypass lines are monitored by flow indicators.</p> <p>Combination Of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Devices = Boiler or process heater with a design heat input capacity greater than or equal to 44 MW.</p> <p>Halogenated = The stream is determined as non-halogenated.</p> <p>Alt 63G Mon Parameters = The EPA Administrator has not approved an alternate monitoring parameter or no alternate has been requested.</p> |                                 |
| OP1SU38094 | 40 CFR Part 63, Subpart G    | 63G-13       | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p> <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = BYPASS LINES ARE MONITORED BY FLOW INDICATORS</p>                                                                                                                                                                                                                             |                                 |

| Unit ID    | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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|            |                           |              | <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT CAPACITY GREATER THAN OR EQUAL TO 44 MW</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Performance Test = Performance tests are being conducted using the test methods and procedures specified in 40 CFR § 63.145(i)</p> <p>95% Reduction Efficiency = Performance tests are not conducted to demonstrate compliance with 95% reduction efficiency</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1SU38094 | 40 CFR Part 63, Subpart G | 63G-14       | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p> <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = BYPASS LINES ARE MONITORED BY FLOW INDICATORS</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT CAPACITY GREATER THAN OR EQUAL TO 44 MW</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Performance Test = Performance tests are not being conducted using the test methods and procedures specified in 40 CFR § 63.145(i)</p> |                                 |

| Unit ID    | Regulation                           | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
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|            |                                      |              | <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP2DM4453  | 40 CFR Part 61, Subpart FF           | 61FF-1       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = FLARE</p>                                                                                                                                                                                                                                                                                                              |                                 |
| OP2SU48094 | 30 TAC Chapter 115, Water Separation | R5131-9      | <p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Water separator does not qualify for exemption.</p> <p>Emission Control Option = Vapor recovery system which satisfies the provisions of 30 TAC § 115.131.</p> <p>Control Device = Control device or vapor recovery system other than a chiller, carbon adsorber, or incinerator.</p>                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| OP2SU48094 | 40 CFR Part 61, Subpart FF           | 61FF-5       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE</p> <p>Control Device Type/Operation = CARBON ADSORPTION SYSTEM NOT REGENERATING BED DIRECTLY IN DEVICE</p> <p>Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE</p> <p>Carbon Replacement Interval = EXHAUST IS MONITORED ON A REGULAR SCHEDULE AND CARBON IS REPLACED IMMEDIATELY UPON BREAKTHROUGH</p> |                                 |

| Unit ID    | Regulation                    | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| OP2SU48094 | 40 CFR Part 61,<br>Subpart FF | 61FF-6       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44 MW, REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER</p> <p>Engineering Calculations = ENGINEERING CALCULATIONS ARE USED TO DEMONSTRATE CONTROL DEVICE PERFORMANCE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p> |                                 |
| OP2SU48094 | 40 CFR Part 61,<br>Subpart FF | 61FF-7       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44MW, ACHIEVING TOC CONCENTRATION OF 20 PPMV</p> <p>Engineering Calculations = ENGINEERING CALCULATIONS ARE USED TO DEMONSTRATE CONTROL DEVICE PERFORMANCE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p>             |                                 |
| OP2SU48094 | 40 CFR Part 61,<br>Subpart FF | 61FF-8       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

| Unit ID    | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Changes and Exceptions to DSS** |
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|            |                            |              | <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44 MW, REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER</p> <p>Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p>                                                                                         |                                 |
| OP2SU48094 | 40 CFR Part 61, Subpart FF | 61FF-9       | <p>Alternate Means of Compliance = NO</p> <p>Alternative Standards for Oil-Water Separator = NO</p> <p>Fuel Gas System = EMISSIONS ARE ROUTED TO A CONTROL DEVICE</p> <p>Cover and Closed Vent = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC)</p> <p>Close Vent System and Control Device AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349</p> <p>By-Pass Line = THE CLOSED VENT SYSTEM HAS A BY-PASS LINE THAT COULD DIVERT THE STREAM AWAY FROM THE CONTROL DEVICE</p> <p>By-Pass Line Valve = A FLOW INDICATOR IS INSTALLED AT THE ENTRANCE TO THE BY-PASS LINE.</p> <p>Control Device Type/Operation = BOILER OR PROCESS HEATER, DESIGN HEAT INPUT &gt;=44MW, ACHIEVING TOC CONCENTRATION OF 20 PPMV</p> <p>Engineering Calculations = PERFORMANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE</p> <p>Alternate Monitoring Parameters = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF</p> |                                 |
| OP2SU48094 | 40 CFR Part 63, Subpart G  | 63G-13       | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID    | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|            |                           |              | <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p> <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = BYPASS LINES ARE MONITORED BY FLOW INDICATORS</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT CAPACITY GREATER THAN OR EQUAL TO 44 MW</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Performance Test = Performance tests are being conducted using the test methods and procedures specified in 40 CFR § 63.145(i)</p> <p>95% Reduction Efficiency = Performance tests are not conducted to demonstrate compliance with 95% reduction efficiency</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p> |                                 |
| OP2SU48094 | 40 CFR Part 63, Subpart G | 63G-14       | <p>Process Wastewater = OIL-WATER SEPARATOR RECEIVES, MANAGES, OR TREATS PROCESS WASTEWATER STREAMS AS DEFINED IN TITLE 40 CFR PART 63, SUBPART F</p> <p>New Source = FACILITY IS AN EXISTING SOURCE AS DEFINED IN MACT G</p> <p>Oil-Water Separator Type = FIXED ROOF AND A CLOSED-VENT SYSTEM THAT ROUTES THE ORGANIC HAZARDOUS AIR POLLUTANT VAPORS VENTED FROM THE OIL-WATER SEPARATOR TO A CONTROL DEVICE</p> <p>Designated Group 1 = The oil-water separator does not receive a wastewater stream designated as Group 1 using the procedures described in §63.132(e)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
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|           |                                       |              | <p>Floating Roof Alternate Monitoring Parameters = FLOATING ROOF ALTERNATE MONITORING PARAMETERS ARE NOT APPROVED OR ARE NOT REQUESTED</p> <p>Negative Pressure = FIXED ROOF AND CLOSED-VENT SYSTEM ARE NOT OPERATED AND MAINTAINED UNDER NEGATIVE PRESSURE</p> <p>Closed Vent System = CLOSED VENT SYSTEM IS SUBJECT TO AND COMPLYING WITH § 63.172</p> <p>Bypass Lines = BYPASS LINES ARE MONITORED BY FLOW INDICATORS</p> <p>Combination of Control Devices = VENT STREAM IS NOT TREATED USING A COMBINATION OF CONTROL DEVICES</p> <p>Control Device Type = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT CAPACITY GREATER THAN OR EQUAL TO 44 MW</p> <p>Alternate Monitoring Parameters: = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART G</p> <p>Performance Test = Performance tests are not being conducted using the test methods and procedures specified in 40 CFR § 63.145(i)</p> <p>Monitoring Options = CONTROL DEVICE IS USING THE MONITORING PARAMETERS SPECIFIED IN TABLE 13</p> <p>Continuous Monitoring = COMPLYING WITH THE CONTINUOUS MONITORING REQUIREMENTS OF § 63.143(E)(1) OR § 63.143(E)(2) IN TABLE 13</p> |                                 |
| EALSP4066 | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = On or before January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| EALSP4066 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|           |                                       |              | <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| EC4HT1202 | 30 TAC Chapter 111, Visible Emissions | R1111-6      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>                                                                                                                                |                                 |
| EC4RX1208 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-2      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p> |                                 |
| EC4RX1208 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-4      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Changes and Exceptions to DSS** |
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|           |                                       |              | <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>                                                                                                                                                                                                                                                                             |                                 |
| EC4RX1208 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Vapor combustor not considered to be a flare.</p> <p>Control Device ID = EC4TO.</p>     |                                 |
| EC4RX1208 | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Vapor combustor not considered to be a flare.</p> <p>Control Device ID = EC4HT1202.</p> |                                 |
| EC4RX1208 | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>                                                                                                                                                                                                                                                                                                                                                     |                                 |

| Unit ID  | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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|          |                                       |              | <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| EC4TO    | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>                                                                  |                                 |
| EC5SP334 | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = On or before January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>                                                           |                                 |
| EC5SP334 | 30 TAC Chapter 115, Vent Gas Controls | R5122-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| EC5SP349   | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = On or before January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>                                                                                                                                                                                                                                                                                                                                   |                                 |
| EC5SP349   | 30 TAC Chapter 115, Vent Gas Controls | R5122-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| EUTFL1701V | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p> <p>Alternative Monitoring = Using alternative monitoring and testing methods approved by the executive director.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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| EUTFL1701V | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p> |                                 |
| EUTFL1701V | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p>                     |                                 |
| EUTFL1701V | 40 CFR Part 63, Subpart FFFF          | 63FFFF-2     | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>                                                                                                                                                               |                                 |
| EUTFL1701V | 40 CFR Part 63, Subpart G             | 63G-1        | <p>Overlap = Title 40 CFR Part 63, Subpart G only</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Control Device = Flare</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.</p>                                                                                                                                                                                                                |                                 |
| GRPALZVENT | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-5      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate less than or equal to 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Testing Requirements = Process knowledge to determine maximum potential HRVOC hourly emissions for analyzer vents, stream system vents, vent gas streams with no HRVOC except during emission event or degassing safety device in lieu of testing.</p> |                                 |
| GRPALZVENT | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
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|            |                                       |              | VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| GRPC4VENT1 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-2      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p> <p>Alternative Monitoring = Using alternative monitoring and testing methods approved by the executive director.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p> |                                 |
| GRPC4VENT1 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-4      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>    |                                 |
| GRPC4VENT1 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|------------|---------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                       |              | <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Vapor combustor not considered to be a flare.</p> <p>Control Device ID = EC4TO.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| GRPC4VENT1 | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Vapor combustor not considered to be a flare.</p> <p>Control Device ID = EC4HT1202.</p>                                                                                                                                             |                                 |
| GRPC4VENT1 | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p> <p>Control Device Type = Smokeless flare</p> |                                 |
| GRPLIQFURN | 30 TAC Chapter 111, Visible Emissions | R1111-5      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p>                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
|------------|---------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                       |              | Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRPMTVENT1 | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-4      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p> <p>Alternative Monitoring = Using alternative monitoring and testing methods approved by the executive director.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| GRPMTVENT1 | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p>                                             |                                 |
| GRPOL1FURV | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-6      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p> |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| GRPOL1FURV | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| GRPOL1FURV | 30 TAC Chapter 115, Vent Gas Controls | R5121-28     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| GRPOL1FURV | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| GRPOL2FURV | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| GRP02FURV  | 30 TAC Chapter 115, Vent Gas Controls | R5121-28     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| GRP02FURV  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRP0LFUR2  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRP0LFUR2V | 30 TAC Chapter 111, Visible Emissions | R1111        | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|------------|---------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                       |              | <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>                                                                                                                                                                                                                                                                                                                                   |                                 |
| GRPOLFUR2V | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Acetal resins production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| GRPOLFURN  | 30 TAC Chapter 111, Visible Emissions | R1111-3      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>                                                                                                                                                                                                                       |                                 |
| GRPOLFURN  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| GRPOLSEALV | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum</p> |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
|------------|---------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                       |              | actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| GRPOLSUHT  | 30 TAC Chapter 111, Visible Emissions | R1111-4      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>                                                                                                                                                             |                                 |
| GRPOLSUHTV | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p> |                                 |
| GRPOLSUHTV | 30 TAC Chapter 115, Vent Gas Controls | R5121-29     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| GRPOLSUHTV | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| MBTSP4010  | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| MBTSP4010  | 40 CFR Part 63, Subpart G             | 63G-1        | Overlap = Title 40 CFR Part 63, Subpart G only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID     | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|             |                                       |              | <p>Group 1 = The process vent is a Group 2 process vent.</p> <p>Regulation = Owners or operator is required to comply only with the requirements of 40 CFR Part 63, Subpart G.</p> <p>HAP Concentration = HAP concentration is not needed to determine applicability.</p> <p>Flow Rate = Flow rate is less than 0.005 scm/min.</p> <p>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| MEOHANLZ    | 30 TAC Chapter 115, Vent Gas Controls | R5121-1B     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| MEOHFLARE2V | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                                                                                                                                                                                                                                                                                                                                                 |                                 |
| MEOHFLAREV  | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| MEOHT7001V | 30 TAC Chapter 111, Visible Emissions | R1111        | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| MEOHT7001V | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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| MPBDM3219  | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = On or before January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p>                                                                                                |                                 |
| MPBFL2502V | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Testing Requirements = Continuous emissions monitoring system in lieu of testing requirements in § 115.725(a).</p> |                                 |
| MPBFL2502V | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                                                                                                              |                                 |
| MPBFL2502V | 30 TAC Chapter 115, Vent Gas Controls | R5121-2      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is less than 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                       |                                 |
| MPBFL2502V | 40 CFR Part 63, Subpart FFFF          | 63FFFF-1     | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has granted a waiver of compliance assessment.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>                             |                                 |
| MPBTK3226  | 30 TAC Chapter 111, Visible Emissions | R1111-1      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = On or before January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.</p> |                                 |
| MPBTK3226  | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream</p>                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                      |                                 |
| OFXR4360AV | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-4      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is uncontrolled.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>                                                                                                |                                 |
| OFXR4360AV | 30 TAC Chapter 115, Vent Gas Controls | R5121-16     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum</p> |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OFXR4360BV | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-4      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is uncontrolled.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>                                                                                                                                                                                                                    |                                 |
| OFXR4360BV | 30 TAC Chapter 115, Vent Gas Controls | R5121-15     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OFXR4360CV | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is uncontrolled.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Meeting § 115.725(a).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OFXR4360CV | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1D3626AV | 30 TAC Chapter 115, Vent Gas Controls | R5121-10     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| OP1D3626BV | 30 TAC Chapter 115, Vent Gas Controls | R5121-11     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1D3635AV | 30 TAC Chapter 115, Vent Gas Controls | R5121-12     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1D3635BV | 30 TAC Chapter 115, Vent Gas Controls | R5121-13     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p>                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP1DECOKE2 | 30 TAC Chapter 115, Vent Gas Controls | R5121-9      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1DM3420V | 30 TAC Chapter 115, Vent Gas Controls | R5121-37     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1DM3422V | 30 TAC Chapter 115, Vent Gas Controls | R5121-9      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                     |                                 |
| OP1FL3801V | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1FL3801V | 30 TAC Chapter 115, Vent Gas Controls | R5121-1      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>VOC Concentration = VOC concentration is less than 612 ppmv.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p> |                                 |
| OP1FL3801V | 30 TAC Chapter 115, Vent Gas Controls | R5121-32     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p>                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
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|            |                                       |              | Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP1FL3801V | 30 TAC Chapter 115, Vent Gas Controls | R5121-33     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| OP1FL3801V | 40 CFR Part 63, Subpart FFFF          | 63FFFF-1     | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has granted a waiver of compliance assessment.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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| OP1FL3801V | 40 CFR Part 63, Subpart G             | 63G-3        | <p>Overlap = Title 40 CFR Part 60, Subpart NNN</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Control Device = Flare</p> <p>Halogenated = Vent stream is not halogenated.</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.</p> |                                 |
| OP1FL3801V | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1HT3415  | 30 TAC Chapter 111, Visible Emissions | R1111-5      | <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p> <p>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.</p>                                                                                                                                                        |                                 |
| OP1HT3415  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1HT3601V | 30 TAC Chapter 115, Vent Gas Controls | R5121-33     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p>                                                                                                                                                                                                           |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| OP1HT3601V | 30 TAC Chapter 115, Vent Gas Controls | R5121-6      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| OP1HT3701V | 30 TAC Chapter 115, Vent Gas Controls | R5121-26     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OP1HT3701V | 30 TAC Chapter 115, Vent Gas Controls | R5121-7      | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| OP1PV3804A | 30 TAC Chapter 115, Vent Gas Controls | R5121-38     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| OP1PV3804B | 30 TAC Chapter 115, Vent Gas Controls | R5121-39     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1RX3701V | 30 TAC Chapter 115, Vent Gas Controls | R5121-14     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1RX3702V | 30 TAC Chapter 115, Vent Gas Controls | R5121-15     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum</p>                                                                                                                     |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| OP1SMLTK14 | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1SU3406  | 30 TAC Chapter 115, Vent Gas Controls | R5121-23     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1SU3406  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1SU3407  | 30 TAC Chapter 115, Vent Gas Controls | R5121-24     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1SU3407  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| OP1SU3502  | 30 TAC Chapter 115, Vent Gas Controls | R5121-26     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1SU3502  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1SU3671  | 30 TAC Chapter 115, Vent Gas Controls | R5121-25     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1SU3671  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1SU38094 | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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| OP1SU38099 | 30 TAC Chapter 115, Vent Gas Controls | R5121-22     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP1SU38601 | 30 TAC Chapter 115, Vent Gas Controls | R5121-21     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2D4626AV | 30 TAC Chapter 115, Vent Gas Controls | R5121-11     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p>                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2D4626BV | 30 TAC Chapter 115, Vent Gas Controls | R5121-12     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2D4635AV | 30 TAC Chapter 115, Vent Gas Controls | R5121-13     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2D4635BV | 30 TAC Chapter 115, Vent Gas Controls | R5121-14     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                          |                                 |
| OP2DECOKE2 | 30 TAC Chapter 115, Vent Gas Controls | R5121-9      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2DM4420V | 30 TAC Chapter 115, Vent Gas Controls | R5121-41     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>                                                                                                                                                                                                                                                                         |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2DM4422V | 30 TAC Chapter 115, Vent Gas Controls | R5121-40     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2FL4801V | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-1      | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Testing Requirements = Continuous emissions monitoring system in lieu of testing requirements in § 115.725(a).</p>                                                                                                                                                                                                                                    |                                 |
| OP2FL4801V | 30 TAC Chapter 115, Vent Gas Controls | R5121-10     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| OP2FL4801V | 30 TAC Chapter 115, Vent Gas Controls | R5121-33     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p> <p>Control Device Type = Smokeless flare</p>                                                                                                                                                                                                                                                            |                                 |
| OP2FL4801V | 30 TAC Chapter 115, Vent Gas Controls | R5121-9      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate method for demonstrating and documenting continuous compliance with applicable control requirements or</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Changes and Exceptions to DSS** |
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|            |                              |              | <p>exemption criteria and demonstrating substantially equivalent reduction efficiencies approved by the TCEQ Executive Director.</p> <p>Control Device Type = Smokeless flare</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p>                                                                                                                                                                                |                                 |
| OP2FL4801V | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has granted a waiver of compliance assessment.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> <p>Hal Device Type = No halogen scrubber or other halogen reduction device is used.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver is requested.</p> <p>Formaldehyde = The stream does not contain formaldehyde.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> |                                 |
| OP2FL4801V | 40 CFR Part 63, Subpart G    | 63G-2        | <p>Overlap = Title 40 CFR Part 60, Subpart NNN</p> <p>Group 1 = The process vent meets the definition of a Group 1 process vent.</p> <p>Control Device = Flare</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Halogenated = Vent stream is not halogenated.</p> <p>Performance Test = A performance test was conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in Subpart G and either no process changes have been made, or the results reliably indicate compliance.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.</p> <p>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2FL4801V | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP2HT4601V | 30 TAC Chapter 115, Vent Gas Controls | R5121-10     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> |                                 |
| OP2HT4601V | 30 TAC Chapter 115, Vent Gas Controls | R5121-34     | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| OP2PV4804A | 30 TAC Chapter 115, Vent Gas Controls | R5121-42     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2PV4804B | 30 TAC Chapter 115, Vent Gas Controls | R5121-43     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                    |                                 |
| OP2RX4701V | 30 TAC Chapter 115, Vent Gas Controls | R5121-17     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>                                                                                                                                                                                                                          |                                 |
| OP2RX4703V | 30 TAC Chapter 115, Vent Gas Controls | R5121-18     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2SU4406  | 30 TAC Chapter 115, Vent Gas Controls | R5121-26     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>                                                                                                                                                                                                                                                                         |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|           |                                       |              | VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| OP2SU4407 | 30 TAC Chapter 115, Vent Gas Controls | R5121-27     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2SU4502 | 30 TAC Chapter 115, Vent Gas Controls | R5121-29     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2SU4502 | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP2SU4671 | 30 TAC Chapter 115, Vent Gas Controls | R5121-19     | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID    | Regulation                            | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
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|            |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Carbon adsorption system that replaces the carbon at a predetermined time interval.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| OP2SU4671  | 40 CFR Part 63, Subpart YY            | 63YY-1       | Source Type = Ethylene production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP2SU48099 | 30 TAC Chapter 115, Vent Gas Controls | R5121-25     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| OP2SU48601 | 30 TAC Chapter 115, Vent Gas Controls | R5121-21     | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Conc or Emis Rate at Max Oper Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum</p>                                                                                                                     |                                 |

| Unit ID    | Regulation                                     | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
|------------|------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                                |              | actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| ZMSZZCOAT  | 30 TAC Chapter 115, Surface Coating Operations | R5421-1      | <p>Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director under 30 TAC § 115.423(2), § 115.423(3)(A) or § 115.423(4).</p> <p>Facility Operations = Surface coating of wood parts and products.</p> <p>VOC Emission Rate = Other uncontrolled emission rates.</p> <p>Vapor Recovery = No vapor recovery system is used to control emissions.</p> <p>Wood Coating Type = Enamel or opaque ground coat.</p>                                                                                                                                                                                                                                                                                                                                                       |                                 |
| ZMSZZCOAT  | 30 TAC Chapter 115, Surface Coating Operations | R5421-2      | <p>Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director under 30 TAC § 115.423(2), § 115.423(3)(A) or § 115.423(4).</p> <p>Facility Operations = Surface coating of wood parts and products.</p> <p>VOC Emission Rate = Other uncontrolled emission rates.</p> <p>Vapor Recovery = No vapor recovery system is used to control emissions.</p> <p>Wood Coating Type = Semitransparent wiping or glazing stain.</p>                                                                                                                                                                                                                                                                                                                                            |                                 |
| ZMSZZCOAT  | 30 TAC Chapter 115, Surface Coating Operations | R5421-3      | <p>Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director under 30 TAC § 115.423(2), § 115.423(3)(A) or § 115.423(4).</p> <p>Facility Operations = Other miscellaneous metal parts and products coating.</p> <p>Maintenance Shop = Recoating used miscellaneous metal parts and products at an on-site maintenance shop that began operations before January 1, 2012.</p> <p>VOC Emission Rate = Other uncontrolled emission rates.</p> <p>Vapor Recovery = No vapor recovery system is used to control emissions.</p> <p>Alternate Requirements = No alternate requirement to 30 TAC § 115.421(8) has been approved by the TCEQ Executive Director.</p> <p>Miscellaneous Coating Type = Extreme performance coating, including chemical milling maskants.</p> |                                 |
| EUTDM01086 | 30 TAC Chapter 115, Industrial Wastewater      | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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|            |                                           |              | <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p>                                                                                                                                                                                                                                            |                                 |
| EUTDM01086 | 30 TAC Chapter 115, Industrial Wastewater | R5140-16B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTDM0701  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p> |                                 |
| EUTDM0701  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTDM0801  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p> |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Changes and Exceptions to DSS** |
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| EUTDM0801  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTDM8801  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p> |                                 |
| EUTDM8801  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTDM8804  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p> |                                 |
| EUTDM8804  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| EUTTK88014 | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Changes and Exceptions to DSS** |
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|            |                                           |              | <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| EUTTK88014 | 30 TAC Chapter 115, Industrial Wastewater | R5140-16B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| EUTTW8801  | 30 TAC Chapter 115, Industrial Wastewater | R5140-17A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.</p> <p>Control Devices = Steam stripper.</p> <p>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used.</p> |                                 |
| EUTTW8801  | 30 TAC Chapter 115, Industrial Wastewater | R5140-17B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| EUTTW8802  | 30 TAC Chapter 115, Industrial Wastewater | R5140-18A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p>                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |

| Unit ID   | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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|           |                                           |              | <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.</p> <p>Control Devices = Steam stripper.</p> <p>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used.</p>                                                                                                                                                                                                                                                                                                                                                     |                                 |
| EUTTW8802 | 30 TAC Chapter 115, Industrial Wastewater | R5140-18B    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has approved an alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| GRPOP1TK1 | 30 TAC Chapter 115, Industrial Wastewater | R5140-8      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p> |                                 |
| GRPOP1TK6 | 30 TAC Chapter 115, Industrial Wastewater | R5140-3      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p> |                                 |
| GRPOP2TK6 | 30 TAC Chapter 115, Industrial Wastewater | R5140-3      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
|------------|-------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                           |              | <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p>                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| OP1SU38094 | 30 TAC Chapter 115, Industrial Wastewater | R5140-6      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.</p> <p>Control Devices = Enclosed combustion device.</p> <p>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used.</p> |                                 |
| OP1TK3455  | 30 TAC Chapter 115, Industrial Wastewater | R5140-15     | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p>                                                                                                                           |                                 |
| OP1TK3458  | 30 TAC Chapter 115, Industrial Wastewater | R5140-6      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
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|            |                                           |              | <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.</p> <p>Control Devices = Enclosed combustion device.</p> <p>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used.</p>                                                                                                                                                                                                                               |                                 |
| OP1TK38008 | 30 TAC Chapter 115, Industrial Wastewater | R5140-1      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p> |                                 |
| OP1TK38009 | 30 TAC Chapter 115, Industrial Wastewater | R5140-2      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p> |                                 |
| OP1TK3903  | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p>                                                                                                                                                                                                                                                                                        |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Changes and Exceptions to DSS** |
|------------|-------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                           |              | Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| OP2SU48094 | 30 TAC Chapter 115, Industrial Wastewater | R5140-6      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.</p> <p>Control Devices = Enclosed combustion device.</p> <p>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used.</p> |                                 |
| OP2TK4455  | 30 TAC Chapter 115, Industrial Wastewater | R5140-6      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p>                                                                                                                           |                                 |
| OP2TK4458  | 30 TAC Chapter 115, Industrial Wastewater | R5140-6      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p>                                                                                                                                                                                                                                                                         |                                 |

| Unit ID    | Regulation                                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Changes and Exceptions to DSS** |
|------------|-------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                                           |              | Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| OP2TK48008 | 30 TAC Chapter 115, Industrial Wastewater | R5140-1      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p> |                                 |
| OP2TK48009 | 30 TAC Chapter 115, Industrial Wastewater | R5140-1      | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.</p> <p>Roof or Seal Type = Floating roof or internal floating roof wastewater component tank that does not have a vapor mounted primary seal.</p> |                                 |
| WASTEWATER | 30 TAC Chapter 115, Industrial Wastewater | R5140-16A    | <p>Petroleum Refinery = The affected source category is not a petroleum refinery.</p> <p>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.</p> <p>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.</p> <p>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.</p> <p>Wastewater Component Type = A wastewater component that is exempted from the control requirements of 30 TAC § 115.142 because it handles only exempted wastewater streams under 30 TAC § 115.147(2).</p>                                                                            |                                 |
| EBGVC6904  | 30 TAC Chapter 117, Subchapter B          | R7300-9      | <p>Maximum Rated Capacity = MRC is greater than 40 MMBtu/hr but less than 100 MMBtu/hr</p> <p>NOx Emission Limitation = Complying with 30 TAC § 117.310(a)(16)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID   | Regulation                       | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
|-----------|----------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                                  |              | <p>NO<sub>x</sub> Reduction = No NO<sub>x</sub> reduction method</p> <p>NO<sub>x</sub> Monitoring System = Maximum emission rate testing</p> <p>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a)</p> <p>CO Emission Limitation = Complying with 30 TAC § 117.310(c)(1)</p> <p>CO Monitoring System = Other than a CEMS or PEMS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| EC4TO     | 30 TAC Chapter 117, Subchapter B | R7ICI-23     | Maximum Rated Capacity = MRC is less than 40 MMBtu/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| GRPC4RXR2 | 40 CFR Part 60, Subpart RRR      | 60RRR-1A     | <p>Chemicals Listed in 40 CFR § 60.707 = The affected facility is part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate.</p> <p>Construction/Modification Date = After June 29, 1990.</p> <p>Affected Facility Type = Combination of a reactor process and the recovery system into which its vent stream is discharged.</p> <p>Subject to Title 40 CFR Part 60, Subpart DDD = The reactor process is not subject to the provisions of Title 40 CFR Part 60, Subpart DDD.</p> <p>Subject to Title 40 CFR Part 60, Subpart NNN = The vent stream is routed to a distillation unit subject to Title 40 CFR Part 60, Subpart NNN and has no other releases to the air except for a pressure relief valve.</p>                                                                                                                                                                                                                                                                                                                               |                                 |
| EUTTW8801 | 40 CFR Part 63, Subpart G        | 63G-30A      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p> |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| EUTTW8801 | 40 CFR Part 63, Subpart G | 63G-30B      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Designated as Group 1 per 40 CFR § 63.132(e)</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p> |                                 |
| EUTTW8801 | 40 CFR Part 63, Subpart G | 63G-30C      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p>                |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| EUTTW8801 | 40 CFR Part 63, Subpart G | 63G-30D      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Designated as Group 1 per 40 CFR § 63.132(e)</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p> |                                 |
| EUTTW8802 | 40 CFR Part 63, Subpart G | 63G-30A      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p>                |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| EUTTW8802 | 40 CFR Part 63, Subpart G | 63G-30B      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Designated as Group 1 per 40 CFR § 63.132(e)</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p> |                                 |
| EUTTW8802 | 40 CFR Part 63, Subpart G | 63G-30C      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p>                |                                 |

| Unit ID   | Regulation                    | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Changes and Exceptions to DSS** |
|-----------|-------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| EUTTW8802 | 40 CFR Part 63,<br>Subpart G  | 63G-30D      | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Designated as Group 1 per 40 CFR § 63.132(e)</p> <p>Wastewater Stream Treatment = Design steam stripper option.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Alternative to continuous monitoring as requested and approved under § 63.151(g).</p>                                                                                                                                                      |                                 |
| GRPBZTW   | 40 CFR Part 61,<br>Subpart FF | 61FF-8A      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR § 61.348(d).</p> <p>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> |                                 |

| Unit ID | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|---------|----------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                            |              | <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP1FL3801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| GRPBZTW | 40 CFR Part 61, Subpart FF | 61FF-8B      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |
| GRPBZTW | 40 CFR Part 61, Subpart FF | 61FF-8C      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

| Unit ID | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Changes and Exceptions to DSS** |
|---------|----------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                            |              | <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP1FL3801.</p>                                                                                                                                                                                                                                   |                                 |
| GRPBZTW | 40 CFR Part 61, Subpart FF | 61FF-8D      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> |                                 |

| Unit ID | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
|---------|---------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                           |              | <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP2FL4801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| GRPBZTW | 40 CFR Part 63, Subpart G | 63G-7A       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated using design evaluation.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> |                                 |
| GRPBZTW | 40 CFR Part 63, Subpart G | 63G-7B       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated by performance test.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Changes and Exceptions to DSS** |
|---------|---------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                           |              | <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| GRPBZTW | 40 CFR Part 63, Subpart G | 63G-7C       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated using design evaluation.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> |                                 |
| GRPBZTW | 40 CFR Part 63, Subpart G | 63G-7D       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
|-----------|----------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                            |              | <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated by performance test.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p>                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| GRPBZTW   | 40 CFR Part 63, Subpart YY | 63YY-1       | Facility Type = ETHYLENE PRODUCTION FACILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| OP1TW3407 | 40 CFR Part 61, Subpart FF | 61FF-1A      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|-----------|----------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                            |              | <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP1FL3801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1TW3407 | 40 CFR Part 61, Subpart FF | 61FF-1B      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |
| OP1TW3407 | 40 CFR Part 61, Subpart FF | 61FF-1C      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |

| Unit ID   | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Changes and Exceptions to DSS** |
|-----------|----------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                            |              | <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p> <p>Continuous Monitoring = The wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP1FL3801.</p>                                                                                                                                                                                                |                                 |
| OP1TW3407 | 40 CFR Part 61, Subpart FF | 61FF-1D      | <p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.</p> <p>Continuous Monitoring = The wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation.</p> <p>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).</p> <p>Openings = The treatment process or wastewater treatment system unit has no openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> |                                 |

| Unit ID   | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Changes and Exceptions to DSS** |
|-----------|------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                              |              | <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Flare.</p> <p>Control Device ID = OP2FL4801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Series Of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = The wastewater stream is designated as Group 1 per 40 CFR § 63.132(e).</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value per 40 CFR § 63.138(e)(2).</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated using performance tests.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented To Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-pass Lines = No by-pass lines.</p> <p>Combination Of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Devices = Flare.</p> <p>Halogenated = The stream is determined as non-halogenated.</p> <p>Alt 63G Mon Parameters = The EPA Administrator has not approved an alternate monitoring parameter or no alternate has been requested.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart FFFF | 63FFFF-2     | <p>Series Of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = The wastewater stream is designated as Group 1 per 40 CFR § 63.132(e).</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value per 40 CFR § 63.138(e)(2).</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated using performance tests.</p> <p>Combustion Process = No combustion process is used for treatment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
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|           |                           |              | <p>Vented To Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-pass Lines = No by-pass lines.</p> <p>Combination Of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Devices = Flare.</p> <p>Halogenated = The stream is determined as non-halogenated.</p> <p>Alt 63G Mon Parameters = The EPA Administrator has not approved an alternate monitoring parameter or no alternate has been requested.</p> <p>Control Device ID = OP2FL4801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart G | 63G-7A       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated using design evaluation.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart G | 63G-7B       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |

| Unit ID   | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
|-----------|---------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|           |                           |              | <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated by performance test.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> <p>Control Device ID = OP1FL3801.</p> |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart G | 63G-7C       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated using design evaluation.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p>                                                                                                                                |                                 |

| Unit ID   | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Changes and Exceptions to DSS** |
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|           |                              |              | <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> <p>Control Device ID = OP2FL4801.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart G    | 63G-7D       | <p>Series of Processes = The wastewater stream is treated using a single treatment process.</p> <p>Biological Treatment Process = Non-biological treatment process.</p> <p>Wastewater Stream Designation = Determined Group1 for Table 9</p> <p>Wastewater Stream Treatment = Percent removal/destruction option by reducing the mass flow rate by the Fr value.</p> <p>Treatment Process Design Evaluation = Compliance for the treatment process will be demonstrated by performance test.</p> <p>Combustion Process = No combustion process is used for treatment.</p> <p>Vented to Control = Emissions from the treatment process are vented to a control device.</p> <p>Closed Vent System = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.172.</p> <p>By-Pass Lines = No by-pass lines.</p> <p>Combination of Control Devices = The vent stream is treated using a single control device.</p> <p>Control Device Type = Flare.</p> <p>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or no alternate has been requested.</p> <p>Monitoring Options = Control device is using the monitoring parameters specified in Table 13 of Subpart G.</p> <p>Continuous Monitoring = Complying with the continuous monitoring requirements of § 63.143(e)(1) or § 63.143(e)(2) in Table 13 of Subpart G.</p> <p>Control Device ID = OP2FL4801.</p> |                                 |
| OP1TW3407 | 40 CFR Part 63, Subpart YY   | 63YY-1       | Facility Type = ETHYLENE PRODUCTION FACILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| PRO-ALKY  | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |

| Unit ID | Regulation                | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
|---------|---------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                           |              | <p>G2/&lt;1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source does not include batch process vents.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| PRO-BT  | 40 CFR Part 63, Subpart F | 63F-1        | <p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p> <p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>Heat Exchange System = A heat exchange system is utilized.</p> <p>Cooling Water Pressure = The heat exchange system is not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p> <p>Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water.</p> <p>Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F.</p> <p>NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration.</p> <p>Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv).</p> <p>Table 9 HAP Content = The once-through heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G.</p> |                                 |

| Unit ID | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
|---------|------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|         |                              |              | Cooling Water Monitored = The cooling water is being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| PRO-C4  | 40 CFR Part 63, Subpart F    | 63F-1        | <p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p> <p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>Heat Exchange System = A heat exchange system is utilized.</p> <p>Cooling Water Pressure = The heat exchange system is not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p> <p>Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water.</p> <p>Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F.</p> <p>NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration.</p> <p>Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv).</p> <p>Table 9 HAP Content = The once-through heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G.</p> <p>Cooling Water Monitored = The cooling water is being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.</p> |                                 |
| PRO-C5  | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |

| Unit ID  | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Changes and Exceptions to DSS** |
|----------|------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|          |                              |              | <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source does not include batch process vents.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| PRO-DPG  | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source does not include batch process vents.</p> |                                 |
| PRO-FLEX | 40 CFR Part 63, Subpart YY   | 63YY-1       | <p>Research and Development = THE PROCESS UNIT IS USED IN PRODUCTION</p> <p>Flexible Unit = THE PROCESS UNIT IS DEDICATED TO ONE PRODUCT</p> <p>Primary Product = THE PRIMARY PRODUCT OF THE PROCESS UNIT IS A PRODUCT PRODUCED BY A REGULATED SOURCE CATEGORY</p> <p>Source Category = ETHYLENE PRODUCTION</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |

| Unit ID  | Regulation                      | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Changes and Exceptions to DSS** |
|----------|---------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| PRO-IPOH | 40 CFR Part 63,<br>Subpart FFFF | 63FFFF-1     | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source does not include batch process vents.</p>                                                  |                                 |
| PRO-MEO  | 40 CFR Part 63,<br>Subpart F    | 63F-1        | <p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p> <p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>Heat Exchange System = A heat exchange system is utilized.</p> <p>Cooling Water Pressure = The heat exchange system is not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p> <p>Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water.</p> <p>Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F.</p> <p>NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less</p> |                                 |

| Unit ID  | Regulation                 | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Changes and Exceptions to DSS** |
|----------|----------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|          |                            |              | <p>above influent concentration or 10 percent or less above influent concentration.</p> <p>Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv).</p> <p>Table 9 HAP Content = The once-through heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G.</p> <p>Cooling Water Monitored = The cooling water is being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| PRO-MTBE | 40 CFR Part 63, Subpart F  | 63F-1        | <p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p> <p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>Heat Exchange System = A heat exchange system is utilized.</p> <p>Cooling Water Pressure = The heat exchange system is not operated with the minimum pressure on the cooling water side at least 35 kilopascals greater than the maximum pressure on the process side.</p> <p>Intervening Cooling Fluid = There is no intervening cooling fluid containing less than 5 percent by weight of total HAPs listed in Table 4 of 40 CFR Part 63, Subpart F, between the process and cooling water.</p> <p>Table 4 HAP Content = The recirculating heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 4 of title 40 CFR Part 63, Subpart F.</p> <p>NPDES Permit = The once-through heat exchange system is not subject to NPDES permit with an allowable discharge limit of 1 part per million or less above influent concentration or 10 percent or less above influent concentration.</p> <p>Meets 40 CFR 63.104(a)(4)(i)-(iv) = The once-through heat exchange system is not subject to an NPDES permit that meets 40 CFR § 63.104(a)(4)(i) - (iv).</p> <p>Table 9 HAP Content = The once-through heat exchange system is not used exclusively to cool process fluids that contain less than 5 percent by weight of total HAPs listed in Table 9 of 40 CFR Part 63, Subpart G.</p> <p>Cooling Water Monitored = The cooling water is being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak.</p> |                                 |
| PRO-OP1  | 40 CFR Part 63, Subpart YY | 63YY-1       | Research and Development = THE PROCESS UNIT IS USED IN PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Changes and Exceptions to DSS** |
|------------|------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|            |                              |              | <p>Flexible Unit = THE PROCESS UNIT IS DEDICATED TO ONE PRODUCT</p> <p>Primary Product = THE PRIMARY PRODUCT OF THE PROCESS UNIT IS A PRODUCT PRODUCED BY A REGULATED SOURCE CATEGORY</p> <p>Source Category = ETHYLENE PRODUCTION</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| PRO-OP2    | 40 CFR Part 63, Subpart YY   | 63YY-1       | <p>Research and Development = THE PROCESS UNIT IS USED IN PRODUCTION</p> <p>Flexible Unit = THE PROCESS UNIT IS DEDICATED TO ONE PRODUCT</p> <p>Primary Product = THE PRIMARY PRODUCT OF THE PROCESS UNIT IS A PRODUCT PRODUCED BY A REGULATED SOURCE CATEGORY</p> <p>Source Category = ETHYLENE PRODUCTION</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| PRO-POLYBD | 40 CFR Part 63, Subpart FFFF | 63FFFF-1     | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process does not include Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source includes batch process vents.</p> |                                 |

\* - The "unit attributes" or operating conditions that determine what requirements apply

\*\* - Notes changes made to the automated results from the DSS, and a brief explanation why

## NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

| NSR Permit                                                                                                                                                                                        | Federal Operating Permit (FOP)                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issued Prior to new Construction or modification of an existing facility                                                                                                                          | For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.                                                                                                                      |
| Authorizes air emissions                                                                                                                                                                          | Codifies existing applicable requirements, does not authorize new emissions                                                                                                                                                                                          |
| Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented. | Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.                                               |
| Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.                                                                     | One public notice required. Opportunity for public comments. No contested case hearings.                                                                                                                                                                             |
| Applies to all point source emissions in the state.                                                                                                                                               | Applies to all major sources and some non-major sources identified by the EPA.                                                                                                                                                                                       |
| Applies to facilities: a portion of site or individual emission sources                                                                                                                           | One or multiple FOPs cover the entire site (consists of multiple facilities)                                                                                                                                                                                         |
| Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.                                                | Permits include terms and conditions that specify the general operational requirements of the site; and include codification of all applicable requirements for emission units at the site.                                                                          |
| Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.                                                            | Opportunity for EPA review, affected states review, and a Public petition period for every FOP.                                                                                                                                                                      |
| Permits have a table listing maximum emission limits for pollutants                                                                                                                               | Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.                                                                                           |
| Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.                                                | Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated. |
| NSR permits are issued independent of FOP requirements.                                                                                                                                           | FOPs are independent of NSR permits, but contain a list of all NSR permits incorporated by reference                                                                                                                                                                 |

## New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. In addition, many of the permits are accessible online through the link provided below. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. Permit by Rule (PBR) registrations submitted by permittees are also available online through the link provided below. The following table specifies the PBRs that apply to the site.

The status of air permits, applications, and PBR registrations may be found by performing the appropriate search of the databases located at the following website:

[www.tceq.texas.gov/permitting/air/nav/air\\_status\\_permits.html](http://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html)

Details on how to search the databases are available in the **Obtaining Permit Documents** section below.

### New Source Review Authorization References

| <b>Prevention of Significant Deterioration (PSD) Permits</b>                                                                                                          |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| PSD Permit No.: GHGPSDTX10*                                                                                                                                           | Issuance Date: 02/14/2013 |
| PSD Permit No.: GHGPSDTX150                                                                                                                                           | Issuance Date: 06/29/2017 |
| PSD Permit No.: GHGPSDTX17*                                                                                                                                           | Issuance Date: 07/19/2013 |
| PSD Permit No.: PSDTX1270                                                                                                                                             | Issuance Date: 08/18/2023 |
| PSD Permit No.: PSDTX1272                                                                                                                                             | Issuance Date: 12/28/2022 |
| PSD Permit No.: PSDTX1280M1                                                                                                                                           | Issuance Date: 08/18/2023 |
| PSD Permit No.: PSDTX1484                                                                                                                                             | Issuance Date: 10/24/2022 |
| <b>Nonattainment (NA) Permits</b>                                                                                                                                     |                           |
| NA Permit No.: N140M1                                                                                                                                                 | Issuance Date: 08/18/2023 |
| NA Permit No.: N142M1                                                                                                                                                 | Issuance Date: 12/28/2022 |
| NA Permit No.: N144                                                                                                                                                   | Issuance Date: 08/18/2023 |
| NA Permit No.: N236                                                                                                                                                   | Issuance Date: 10/24/2022 |
| NA Permit No.: N280                                                                                                                                                   | Issuance Date: 08/18/2023 |
| <b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b> |                           |
| Authorization No.: 1768                                                                                                                                               | Issuance Date: 12/28/2022 |
| Authorization No.: 2128                                                                                                                                               | Issuance Date: 08/18/2023 |
| Authorization No.: 2933                                                                                                                                               | Issuance Date: 08/18/2023 |
| Authorization No.: 2936                                                                                                                                               | Issuance Date: 08/15/2023 |

### New Source Review Authorization References

|                                                                      |                              |
|----------------------------------------------------------------------|------------------------------|
| Authorization No.: 3130A                                             | Issuance Date: 10/24/2022    |
| Authorization No.: 6245                                              | Issuance Date: 08/18/2023    |
| Authorization No.: 6387                                              | Issuance Date: 07/05/2018    |
| Authorization No.: 8125                                              | Issuance Date: 08/18/2023    |
| Authorization No.: 22779                                             | Issuance Date: 03/22/2019    |
| Authorization No.: 24887                                             | Issuance Date: 11/21/2016    |
| Authorization No.: 49120                                             | Issuance Date: 05/03/2019    |
| Authorization No.: 49130                                             | Issuance Date: 10/10/2018    |
| Authorization No.: 83799                                             | Issuance Date: 12/28/2021    |
| Authorization No.: 163917                                            | Issuance Date: 02/12/2021    |
| Authorization No.: 163918                                            | Issuance Date: 02/05/2021    |
| Authorization No.: 172596                                            | Issuance Date: 05/12/2023    |
| <b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b> |                              |
| Number: 106.261                                                      | Version No./Date: 11/01/2003 |
| Number: 106.262                                                      | Version No./Date: 11/01/2003 |
| Number: 106.263                                                      | Version No./Date: 11/01/2001 |
| Number: 106.265                                                      | Version No./Date: 09/04/2000 |
| Number: 106.371                                                      | Version No./Date: 09/04/2000 |
| Number: 106.412                                                      | Version No./Date: 09/04/2000 |
| Number: 106.433                                                      | Version No./Date: 09/04/2000 |
| Number: 106.452                                                      | Version No./Date: 09/04/2000 |
| Number: 106.472                                                      | Version No./Date: 09/04/2000 |
| Number: 106.473                                                      | Version No./Date: 09/04/2000 |
| Number: 106.474                                                      | Version No./Date: 09/04/2000 |
| Number: 106.478                                                      | Version No./Date: 09/04/2000 |
| Number: 106.492                                                      | Version No./Date: 09/04/2000 |
| Number: 106.511                                                      | Version No./Date: 09/04/2000 |
| Number: 106.512                                                      | Version No./Date: 06/13/2001 |
| Number: 106.532                                                      | Version No./Date: 09/04/2000 |

\* For reference, EPA issued permits PSDTX1280GHG and PSDTX1272GHG have been assigned permit numbers GHGPSDTX10 and GHGPSDTX17, respectively.

## Permits by Rule

The TCEQ has interpreted the emission limits prescribed in 30 TAC §106.4(a) as both emission thresholds and default emission limits. The emission limits in 30 TAC §106.4(a) are all considered applicable to each facility as a threshold matter to ensure that the owner/operator qualifies for the PBR authorization. Those same emission limits are also the default emission limits if the specific PBR does not further limit emissions or there is no lower, certified emission limit claimed by the owner/operator.

This interpretation is consistent with how TCEQ has historically determined compliance with the emission limits prior to the addition of the “as applicable” language. The “as applicable” language was added in 2014 as part of changes to the sentence structure in a rulemaking that made other changes to address greenhouse gases and was not intended as a substantive rule change. This interpretation also provides for effective and practical enforcement of 30 TAC §106.4(a), since for the TCEQ to effectively enforce the emission limits in 30 TAC §106.4(a) as emission thresholds, all emission limits must apply. As provided by 30 TAC §106.4(a)(2) and (3), an owner/operator shall not claim a PBR authorization if the facility is subject to major New Source Review. The practical and legal effect of the language in 30 TAC § 106.4 is that if a facility does not emit a pollutant, then the potential to emit for that particular pollutant is zero, and thus, the facility is not authorized to emit the pollutant pursuant to the PBR.

The permit holder is required to keep records for demonstrating compliance with PBRs in accordance with 30 TAC § 106.8 for the following categories:

- As stated in 30 TAC § 106.8(a), the permit holder is not required to keep records for de minimis sources as designated in 30 TAC § 116.119.
- As stated in 30 TAC § 106.8(b) for PBRs on the insignificant activities list, the permit holder is required to provide information that would demonstrate compliance with the general requirements of 30 TAC § 106.4.
- As stated in 30 TAC § 106.8(c) for all other PBRs, the permit holder must maintain sufficient records to demonstrate compliance with the general requirements specified in 30 TAC § 106.4 and to demonstrate compliance with the emission limits and any specific conditions of the PBR as applicable.

The application, or a previously submitted application, contains a PBR Supplemental Table. This table provides supplemental information for all PBR authorizations at the site or application area, including PBRs that are not listed on the OP-REQ1 form. PBRs that are not listed on the OP-REQ1 form authorize emission units that the TCEQ has determined are insignificant sources of emissions (IEUs). PBRs are enforceable through permit condition number 37. The EPA gives States broad discretion in prescribing monitoring, recordkeeping, and reporting for generally applicable requirements that cover insignificant emission units. (see EPA *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*). Federal regulations specifically identify recordkeeping as an appropriate level of monitoring necessary to assure compliance with the requirements applicable to an emissions unit. Permitting authorities have the best sense of where it is appropriate to conclude that periodic monitoring is not necessary for IEUs, when state program rules already provide sufficient monitoring for these units.

In the case of IEUs in particular, the recordkeeping in 30 TAC §106.8 is sufficient because the units do not have the potential to violate emission limitations or other requirements under normal operating conditions. In particular, where the establishment of a regular program of monitoring would not significantly enhance the ability of the permit to assure compliance with the applicable requirement, the permitting authority can provide that the applicable requirement has monitoring sufficient to yield reliable data that is representative of the emission unit's compliance with the limitations. Therefore, for IEUs compliance with 30 TAC §106.8 is sufficient to meet federal monitoring requirements.

The PBR records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, or parametric monitoring. The PBR records also satisfy the federal operating permit periodic monitoring requirements of 30 TAC § 122.142(c) as they are representative of the emission unit's compliance with 30 TAC Chapter 106.

## **Emission Units and Emission Points**

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

## **Monitoring Sufficiency**

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

## Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected

### Compliance Assurance Monitoring (CAM):

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;
2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and
3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| ID No.: GRPLDBGDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                      |
| Control Device ID No.: EBGVC6904                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Control Device Type: Vapor Combustor |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                      |
| Name: 30 TAC Chapter 115, Loading and Unloading of VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SOP Index No.: R5211-2L              |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Main Standard: § 115.212(a)(6)(A)    |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |
| Indicator: Combustion Temperature / Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |
| Minimum Frequency: once per day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |
| Deviation Limit: A combustion chamber temperature below 1400°F, or the minimum established by the most recent stack test, is a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |
| Basis of CAM: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of the combustion temperature of a thermal incinerator is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, R, DD, EE, and HH; and 30 TAC Chapter 115. |                                      |

**Periodic Monitoring:**

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
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| ID No.: EALSP4066                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-1            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: once per quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 30% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| ID No.: EBGVC6904                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SOP Index No.: R7300-9         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Indicator: Combustion Temperature/Exhaust Gas Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Minimum Frequency: once per day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Deviation Limit: A combustion chamber temperature below 1400°F, or the minimum established by the most recent stack test, is a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for vapor combustors. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards.</p> <p>CO emissions result from incomplete combustion in a vapor combustor. This can occur if the device runs at fuel-rich conditions or if the flame zone temperature is depressed. These same conditions would also result in a reduced VOC DRE. For a device which functions both as a combustion device and as a thermal VOC control device, maintaining a temperature that ensures compliance with VOC DRE is a reasonable surrogate of proper combustion and minimization of CO concentration.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| ID No.: EC4HT1202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R1111-6            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Main Standard: § 111.111(a)(1)(B) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
| Minimum Frequency: once per calendar quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Deviation Limit: Visible emissions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: EC4HT1203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-17        |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: EC4HT302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7300-2         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
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| ID No.: EC4TO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R1111-1            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
| Minimum Frequency: once per calendar quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 20% opacity.                                                                                                                                                                                                                                                                                    |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations. The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: EC5SP334                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-1            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(A) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: once per quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 30% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
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| ID No.: EC5SP349                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-1            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: once per quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 30% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: EC5TK36                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-5         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: EC5TK36                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-5         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
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| ID No.: EUTDM01086                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: 60Kb-39E           |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Main Standard: [G]§ 60.112b(a)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Deviation Limit: Fugitive emissions > 500 ppm above background shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| ID No.: EUTDM01086                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: 60Kb-39E           |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: [G]§ 60.112b(a)(3) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Indicator: Visual Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Deviation Limit: Defects in the closed vent system that may result in emission to the atmosphere shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p> |                                   |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
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| ID No.: EUTTK88014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: 60Kb-39C           |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Main Standard: [G]§ 60.112b(a)(3) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Deviation Limit: Fugitive emissions > 500 ppm above background shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| ID No.: EUTTK88014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: 60Kb-39C           |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: [G]§ 60.112b(a)(3) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Indicator: Visual Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Deviation Limit: Defects in the closed vent system that may result in emission to the atmosphere shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| ID No.: GRPECUDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: 60Kb-1A            |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Main Standard: [G]§ 60.112b(a)(3) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Deviation Limit: Fugitive emissions > 500ppm above background shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| ID No.: GRPECUDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: 60Kb-1A            |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: [G]§ 60.112b(a)(3) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Indicator: Visual Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| Deviation Limit: Defects in the closed vent system that may result in emission to the atmosphere shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| ID No.: GRPECUDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: 60Kb-1C         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Main Standard: § 60.112b(b)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Deviation Limit: Fugitive emissions > 500ppm above background shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| ID No.: GRPECUDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 40 CFR Part 60, Subpart Kb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: 60Kb-1C         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 60.112b(b)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Visual Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Deviation Limit: Defects in the closed vent system that may result in emissions shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: GRPLIQFURN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-5            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(C) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: GRPLIQFURN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-4B        |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: A CO concentration that exceeds 400ppmv at 3% O <sub>2</sub> , dry basis, shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: GRPOL1FURV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: GRP-HTR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-28                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: GRPOL1FURV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: GRP-HTR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-2                                                                                                  |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(2)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: GRPOL2FURV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: GRP-HTR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-28                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: GRPOL2FURV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: GRP-HTR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-2                                                                                                  |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(2)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: GRPOLFUR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7301           |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: A CO concentration that exceeds 400ppmv at 3% O <sub>2</sub> , dry basis, shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: GRPOLFUR2V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111              |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(C) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: Visible emissions opacity reading greater than 15%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: GRPOLFURN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-3            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(C) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: GRPOLFURN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-1         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: A CO concentration that exceeds 400ppmv at 3% O <sub>2</sub> , dry basis, shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: GRPOLSUHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-4            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(C) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: GRPOLSUHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-2B        |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: GRPOLSUHTV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP1HT804A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Control Device ID No.: OP1HT804B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Control Device ID No.: OP2HT804A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Control Device ID No.: OP2HT804B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-29                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: It shall be considered and reported as a deviation if the control device is not in operation when vent gas is directed to it.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: GRPOLSUHTV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP1HT804A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Control Device ID No.: OP1HT804B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Control Device ID No.: OP2HT804A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Control Device ID No.: OP2HT804B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-3                                                                                                  |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(2)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: It shall be considered and reported as a deviation if the control device is not in operation when vent gas is directed to it.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
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| ID No.: GRPOLTKIFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A      |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: 60K-3A         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 60.112(a)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Indicator: Internal Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
| <p>Basis of monitoring:</p> <p>The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> |                               |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
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| ID No.: GRPOP1TK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A      |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: 60K-1A         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 60.112(a)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Indicator: External Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| <p>Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed.</p> <p>Basis of monitoring:<br/> The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> |                               |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
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| ID No.: GRPOP2TK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A      |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: 60K-2A         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 60.112(a)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Indicator: External Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| <p>Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed.</p> <p>Basis of monitoring:<br/> The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> |                               |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: GRPSMLTANK                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Failure to inspect the integrity of the submerged fill pipe during tank emptying and degassing shall be considered and reported as a deviation.                                                                                                                                                                                                                                   |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: GRPSMLTANK                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Record of Tank Construction Specifications                                                                                                                                                                                                                                                                                                                                              |                                |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Failure to maintain records of tank construction showing the submerged fill pipe shall be considered and reported as a deviation.                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: MEOHT7001V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111              |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(C) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: Visible emissions opacity reading greater than 15%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: MEOHT7001V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: MEOHT7001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-2                                                                                                  |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: It shall be considered and reported as a deviation if the control device is not in operation when vent gas is directed to it.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: MIPTK3110                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-4         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: MIPTK3110                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-4         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
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| ID No.: MPBDM3219                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-1            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: once per quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 30% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: MPBDM3219                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: MPBDM3219                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-2         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: MPBTK3210                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: MPBTK3210                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| ID No.: MPBTK3226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-1            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(A) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: once per quarter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 30% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OFXDM4310                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OFXDM4310                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OFXDM4311                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OFXDM4311                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OFXHT4351                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-3         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OFXHT4360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-4         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OFXHT4360C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-5         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |
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| ID No.: OFXHT4361                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-6         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| ID No.: OP1FL3801V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SOP Index No.: R5121-33        |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Deviation Limit: Fugitive Emissions > 500ppm above background shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| ID No.: OP1FL3801V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOP Index No.: R5121-33        |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Visual Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Deviation Limit: Defects in the closed vent system that may result in emissions to the atmosphere shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
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| ID No.: OP1HT3415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R1111-5            |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |
| Minimum Frequency: Once per week                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Deviation Limit: The presence of any visible emissions shall be considered a deviation unless a Method 9 observation is performed. If a Method 9 observation is performed, then the deviation limit shall be 15% opacity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| <p>Basis of monitoring:</p> <p>The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p> |                                   |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OP1HT3415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-8A        |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: A CO concentration that exceeds 400ppmv at 3% O <sub>2</sub> , dry basis, shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| ID No.: OP1HT3415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R7ICI-8B        |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: A CO concentration that exceeds 400ppmv at 3% O <sub>2</sub> , dry basis, shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                           |                                |
| Basis of monitoring:<br>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OP1HT3415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-8C        |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: A CO concentration that exceeds 400ppmv at 3% O <sub>2</sub> , dry basis, shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                      |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OP1HT3601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-4         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: OP1HT3601V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP1HT3601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-33                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: OP1HT3601V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP1HT3601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-6                                                                                                  |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(2)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |
| ID No.: OP1HT3701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOP Index No.: R7ICI-3         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Basis of monitoring:<br>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion. |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: OP1HT3701V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP1HT3701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-26                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: OP1HT3701V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP1HT3701                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-7                                                                                                  |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(2)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP1TK3601                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-6         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP1TK3601                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-6         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| ID No.: OP1TK3911                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A      |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: 60K-4          |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 60.112(a)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                               |
| Indicator: External Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |
| <p>Basis of monitoring:</p> <p>The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> |                               |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |
| ID No.: OP1TK3912                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A      |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: 60K-5          |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Main Standard: § 60.112(a)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| Indicator: External Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |
| Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed as specified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Basis of monitoring:<br>The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115. |                               |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| ID No.: OP2FL4801V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SOP Index No.: R5121-10        |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| Indicator: VOC Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |
| Deviation Limit: Fugitive Emissions > 500ppm above background shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| ID No.: OP2FL4801V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOP Index No.: R5121-10        |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |
| Indicator: Visual Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Minimum Frequency: Once per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |
| Deviation Limit: Defects in the closed vent system that may result in emissions to the atmosphere shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.</p> |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| ID No.: OP2HT4601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Name: 30 TAC Chapter 117, Subchapter B                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOP Index No.: R7ICI-7         |
| Pollutant: CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Indicator: CO concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Minimum Frequency: Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |
| Averaging Period: 1 hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |
| Deviation Limit: 400 ppmv CO at 3.0% O <sub>2</sub> , dry basis                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| <p>Basis of monitoring:</p> <p>It is widely practiced and accepted to measure CO concentration with procedures such as EPA Test Method 10, a CO CEMS, or a portable analyzer. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that the unit is not functioning properly or obtaining complete combustion.</p> |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: OP2HT4601V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP2HT4601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-34                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(1)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
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| ID No.: OP2HT4601V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                         |
| Control Device ID No.: OP2HT4601                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW) |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |
| Name: 30 TAC Chapter 115, Vent Gas Controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SOP Index No.: R5121-10                                                                                                 |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Main Standard: § 115.122(a)(2)                                                                                          |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Indicator: Period of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                         |
| Minimum Frequency: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                         |
| Deviation Limit: Monitor and record the periods of operation of the steam generating unit or process heater when a vent stream is being routed to them for control. All periods that are not recorded shall be considered and reported as a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
| <p>Basis of monitoring:</p> <p>A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.</p> |                                                                                                                         |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4456                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-10        |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4456                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-10        |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4458                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4458                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4465                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not integral and not repaired before refill is a deviation.                                                                                                                                                                                                                                                                                                             |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4465                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-1         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4601                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-9         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Structural Integrity of the Pipe                                                                                                                                                                                                                                                                                                                                                        |                                |
| Minimum Frequency: Emptied and degassed                                                                                                                                                                                                                                                                                                                                                            |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: It is a deviation if the fill pipe is damaged and not repaired.                                                                                                                                                                                                                                                                                                                   |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

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| <b>Unit/Group/Process Information</b>                                                                                                                                                                                                                                                                                                                                                              |                                |
| ID No.: OP2TK4601                                                                                                                                                                                                                                                                                                                                                                                  |                                |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                         | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                |
| Name: 30 TAC Chapter 115, Storage of VOCs                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: R5112-9         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 115.112(e)(1) |
| <b>Monitoring Information</b>                                                                                                                                                                                                                                                                                                                                                                      |                                |
| Indicator: Liquid Level                                                                                                                                                                                                                                                                                                                                                                            |                                |
| Minimum Frequency: Once per day                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Averaging Period: n/a                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Deviation Limit: Fill pipe not submerged in liquid is a deviation.                                                                                                                                                                                                                                                                                                                                 |                                |
| Basis of monitoring:<br>The periodic monitoring option provided for emission units using a submerged fill pipe is location of the submerged fill pipe and structural integrity of the pipe. The location and the integrity of the pipe ensure that loading operations are controlled to prevent splash fill and reduce generated vapors; therefore, less emissions are released to the atmosphere. |                                |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
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| ID No.: OP2TK4901                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Control Device Type: N/A      |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOP Index No.: 60K-1A         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Main Standard: § 60.112(a)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Indicator: External Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| <p>Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed.</p> <p>Basis of monitoring:<br/> The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> |                               |

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
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| ID No.: OP2TK4921                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Control Device Type: N/A      |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Name: 40 CFR Part 60, Subpart K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SOP Index No.: 60K-4A         |
| Pollutant: VOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Main Standard: § 60.112(a)(1) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
| Indicator: External Floating Roof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Minimum Frequency: Annually                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| <p>Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the floating roof, the seals are detached, or if there are holes or tears in the seal fabric and repairs are not completed as specified.</p> <p>Basis of monitoring:<br/> The option to monitor VOC emissions by visually inspecting the external floating roof or the internal floating roof was included as an option by the EPA in the "Periodic Monitoring Technical Reference Document" (April 1999) to monitor VOC sources. If the external or internal floating roof is operating in accordance with its design it will meet its control efficiency. Visually inspecting the external floating roof or the internal floating roof is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; and 30 TAC Chapter 115. Measuring and recording the accumulated area of gaps if the tank is equipped with primary seals is commonly required in federal and state rules, including: 40 CFR Part 60, Subpart Kb; 40 CFR Part 61, Subpart Y; 40 CFR 63 Subparts VV, DD, and MMM; and 30 TAC Chapter 115.</p> |                               |

## Obtaining Permit Documents

The New Source Review Authorization References table in the FOP specifies all NSR authorizations that apply at the permit area covered by the FOP. Individual NSR permitting files are located in the TCEQ Central File Room (TCEQ Main Campus located at 12100 Park 35 Circle, Austin, Texas, 78753, Building E, Room 103). They can also be obtained electronically from TCEQ's Central File Room Online (<https://www.tceq.texas.gov/goto/cfr-online>). Guidance documents that describe how to search electronic records, including Permits by Rule (PBRs) or NSR permits incorporated by reference into an FOP, archived in the Central File Room server are available at [https://www.tceq.texas.gov/permitting/air/nav/air\\_status\\_permits.html](https://www.tceq.texas.gov/permitting/air/nav/air_status_permits.html)

All current PBRs are contained in Chapter 106 and can be viewed at the following website:

[https://www.tceq.texas.gov/permitting/air/permitbyrule/air\\_pbr\\_index.html](https://www.tceq.texas.gov/permitting/air/permitbyrule/air_pbr_index.html)

Previous versions of 30 TAC Chapter 106 PBRs may be viewed at the following website:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/old106list/index106.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html)

Historical Standard Exemption lists may be viewed at the following website:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/oldselist/se\\_index.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html)

Additional information concerning PBRs is available on the TCEQ website:

[https://www.tceq.texas.gov/permitting/air/nav/air\\_pbr.html](https://www.tceq.texas.gov/permitting/air/nav/air_pbr.html)

## Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on 08/22/022.

Site rating: 5.52 / Satisfactory Company rating: 4.89 / Satisfactory

(High < 0.10; Satisfactory ≥ 0.10 and ≤ 55; Unsatisfactory > 55)

2. Has the permit changed on the basis of the compliance history or site/company rating? .....No

## Site/Permit Area Compliance Status Review

1. Were there any out-of-compliance units listed on Form OP-ACPS? .....No

2. Is a compliance plan and schedule included in the permit? .....No

## Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes

OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes

OP-UA3 - Storage Tank/Vessel Attributes

OP-UA4 - Loading/Unloading Operations Attributes

OP-UA5 - Process Heater/Furnace Attributes

OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes

OP-UA7 - Flare Attributes

OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes

OP-UA11 - Stationary Turbine Attributes

OP-UA12 - Fugitive Emission Unit Attributes

OP-UA13 - Industrial Process Cooling Tower Attributes

OP-UA14 - Water Separator Attributes

OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes

OP-UA16 - Solvent Degreasing Machine Attributes

OP-UA17 - Distillation Unit Attributes  
OP-UA18 - Surface Coating Operations Attributes  
OP-UA19 - Wastewater Unit Attributes  
OP-UA20 - Asphalt Operations Attributes  
OP-UA21 - Grain Elevator Attributes  
OP-UA22 - Printing Attributes  
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes  
OP-UA25 - Synthetic Fiber Production Attributes  
OP-UA26 - Electroplating and Anodizing Unit Attributes  
OP-UA27 - Nitric Acid Manufacturing Attributes  
OP-UA28 - Polymer Manufacturing Attributes  
OP-UA29 - Glass Manufacturing Unit Attributes  
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes  
OP-UA31 - Lead Smelting Attributes  
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes  
OP-UA33 - Mineral Processing Plant Attributes  
OP-UA34 - Pharmaceutical Manufacturing  
OP-UA35 - Incinerator Attributes  
OP-UA36 - Steel Plant Unit Attributes  
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes  
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes  
OP-UA39 - Sterilization Source Attributes  
OP-UA40 - Ferroalloy Production Facility Attributes  
OP-UA41 - Dry Cleaning Facility Attributes  
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes  
OP-UA43 - Sulfuric Acid Production Attributes  
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes  
OP-UA45 - Surface Impoundment Attributes  
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes  
OP-UA47 - Ship Building and Ship Repair Unit Attributes  
OP-UA48 - Air Oxidation Unit Process Attributes  
OP-UA49 - Vacuum-Producing System Attributes  
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes  
OP-UA51 - Dryer/Kiln/Oven Attributes  
OP-UA52 - Closed Vent Systems and Control Devices  
OP-UA53 - Beryllium Processing Attributes  
OP-UA54 - Mercury Chlor-Alkali Cell Attributes  
OP-UA55 - Transfer System Attributes  
OP-UA56 - Vinyl Chloride Process Attributes  
OP-UA57 - Cleaning/Depainting Operation Attributes  
OP-UA58 - Treatment Process Attributes  
OP-UA59 - Coke By-Product Recovery Plant Attributes  
OP-UA60 - Chemical Manufacturing Process Unit Attributes  
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes  
OP-UA62 - Glycol Dehydration Unit Attributes  
OP-UA63 - Vegetable Oil Production Attributes  
OP-UA64 - Coal Preparation Plant Attributes