# Statement of Basis of the Federal Operating Permit

Exxon Mobil Corporation

Site Name: Baytown Olefins Plant
Physical Location: 3525 Decker Dr
Nearest City: Baytown
County: Harris

Permit Number: O1553
Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 325199
NAICS Name: All Other Basic Organic Chemical 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 8, 2023

# Operating Permit
# Basis of Determination

**Permit Area Process Description**

Base Plant Ethylene Unit and Expansion Ethylene Unit
Hydrocarbon feed and recycled ethane are fed into cracking furnaces. The effluent from the furnace is cooled and fractioned to separate heavy organics (used for boiler fuel or marketed) & light organics. Methane and hydrogen are removed from the light effluent from the cracking furnaces. The light effluent is further processed by removing ethane which is split into ethylene product and ethane. The ethane is recycled within the plant. Several products are recovered for various uses by the plant that include:

Refinery Gas
Gaseous streams from the Baytown Refinery (BTRF) and the Baytown Olefins Plant (BOP) are processed in the refinery gas unit. The lightest components (methane) of this stream are used by the power boilers. All C2/C3 streams are separated and cracked in the furnaces. The C4 or higher components are sent to the BTRF.

Propylene Recovery
Hydrocarbon feed from the BTRF and third-party imports are sent to the de-ethanizer tower. The heavy hydrocarbons from the bottom of this tower are sent to a propylene concentrator. Finished propylene is stored or sent to customers. Propane collected in the process is sent to a third-party customer.

Butadiene Recovery
The C4+ stream produced in the de-propanizer is separated into a C4 and a C5 stream. The C4 stream is further processed to remove the butadiene product.

Isoprene, Benzene, and SCN Recovery
The C5 stream from the de-butanizer is combined with pyrolysis gasoline stripper bottoms from the base plant ethylene unit. Dilute isoprene and benzene streams are recovered before the SCN is purified.

Utility Systems
Electric power for the facility is provided from four gas turbines inside the plant. The steam from these boilers and heat boilers is used for various processes in the plant. Wastewater treatment is performed (expansion plant only) to process water with hydrocarbon content. The plant uses three flares to provide control for process vent streams. Some vent streams are combusted with the furnaces for control.

**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: None

**Major Source Pollutants**

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

| | |
|---|---|
| Major Pollutants | VOC, SO2, PM, NOX, 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.

**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) | No |
| 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 $SO_2$ 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.

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.

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. 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.

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| FLAREX | 40 CFR Part 63, Subpart YY | 63YY | Unit Type = Emission Unit<br>Technical Information/Unit Description = Flare controlling ethylene production sources; complying with 63.670 and 63.671 | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| FLAREXX1 | 40 CFR Part 63, Subpart YY | 63YY | Unit Type = Emission Unit<br>Technical Information/Unit Description = Flare controlling ethylene production sources; complying with 63.670 and 63.671 | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| FLAREXX2 | 40 CFR Part 63, Subpart YY | 63YY | Unit Type = Emission Unit<br>Technical Information/Unit Description = Flare controlling ethylene production sources; complying with 63.670 and 63.671 | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| ICSGT01 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-5A | Unit Type = Emission Unit<br>Technical Information/Unit Description = Existing blackstart compression ignition engine, greater than 500 hp, located at a major source of HAPs | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| ICSGT02 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-5A | Unit Type = Emission Unit<br>Technical Information/Unit Description = Existing blackstart compression ignition engine, greater than 500 hp, located at a major source of HAPs | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| ICSGT03 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-5A | Unit Type = Emission Unit<br>Technical Information/Unit Description = Existing blackstart compression ignition engine, greater than 500 hp, located at a major source of HAPs | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| PRIMFL | 40 CFR Part 63, Subpart YY | 63YY | Unit Type = Emission Unit<br>Technical Information/Unit Description = Flare controlling ethylene production sources; complying with 63.670 and 63.671 | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| SECFL | 40 CFR Part 63, Subpart YY | 63YY | Unit Type = Emission Unit<br>Technical Information/Unit Description = Flare controlling ethylene production sources; complying with 63.670 and 63.671 | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| BOPXPAC1 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn<br>ESAD Date Placed in Service = Placed into service after December 31, 2000.<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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| BOPXPAC1 | 40 CFR Part 60, Subpart IIII | 60IIII-2 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Model Year = CI ICE was manufactured in model year 2012.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| BOPXPAC1 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| BOPXPAC2 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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. | |
| BOPXPAC2 | 40 CFR Part 60, Subpart IIII | 60IIII | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Model Year = CI ICE was manufactured in model year 2013.<br>Kilowatts = Power rating is greater than 368 KW and less than 600 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device IS NOT installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| BOPXPAC2 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-3A | 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Service Type = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| DIESEL1A | 30 TAC Chapter 117, Subchapter B | R7300 | 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 | |
| DIESEL1A | 40 CFR Part 60, Subpart IIII | 60IIII-1A | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005. | |
| DIESEL1A | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1A | 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 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). | |
| DIESEL4 | 30 TAC Chapter 117, Subchapter B | R7300 | 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 | |
| DIESEL4 | 40 CFR Part 60, Subpart IIII | 60IIII-1B | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2014.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| DIESEL4 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-4A | 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). | |
| DIESEL4A | 30 TAC Chapter 117, Subchapter B | R7300 | 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 | |
| DIESEL4A | 40 CFR Part 60, Subpart IIII | 60IIII-1B-14 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2014.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESEL4A | 40 CFR Part 60, Subpart IIII | 60IIII-1B-15 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2015.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESEL4A | 40 CFR Part 60, Subpart IIII | 60IIII-1B-16 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2016.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESEL4A | 40 CFR Part 60, Subpart IIII | 60IIII-1B-17 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2017 or later.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESEL4A | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-4A | 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). | |
| DIESELFW | 30 TAC Chapter 117, Subchapter B | R7300 | 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<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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| DIESELFW | 40 CFR Part 60, Subpart IIII | 60IIII-1C-14 | 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2014.<br>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELFW | 40 CFR Part 60, Subpart IIII | 60IIII-1C-15 | 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>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2015.<br>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELFW | 40 CFR Part 60, Subpart IIII | 60IIII-1C-16 | 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>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2016. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELFW | 40 CFR Part 60, Subpart IIII | 60IIII-1C-17 | 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>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2017 or later.<br>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELFW | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-4A | 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). | |
| DIESELGCRK | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn<br>ESAD Date Placed in Service = Placed into service after December 31, 2000.<br>Diesel HP Rating = Horsepower rating is 25 hp or greater, but less than 50 hp.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| DIESELGCRK | 40 CFR Part 60, Subpart IIII | 60IIII-1D-14 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2014.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELGCRK | 40 CFR Part 60, Subpart IIII | 60IIII-1D-15 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2015.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELGCRK | 40 CFR Part 60, Subpart IIII | 60IIII-1D-16 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2016.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELGCRK | 40 CFR Part 60, Subpart IIII | 60IIII-1D-17 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2017 or later.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELGCRK | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-2A | 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 less than 100 HP.<br>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.<br>Service Type = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| DIESELXX01 | 30 TAC Chapter 117, Subchapter B | R7303 | 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 | |
| DIESELXX01 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<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 2016.<br>Install Date = The CI ICE was installed in 2016 or later.<br>Kilowatts = Power rating is greater than 560 KW and less than or equal to 2237 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELXX01 | 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 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). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| DIESELXX02 | 30 TAC Chapter 117, Subchapter B | R7303 | 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 | |
| DIESELXX02 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<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 2016.<br>Install Date = The CI ICE was installed in 2016 or later.<br>Kilowatts = Power rating greater than or equal to 368 KW and less than or equal to 560KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELXX02 | 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 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). | |
| DIESELXX03 | 30 TAC Chapter 117, Subchapter B | R7303 | 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 | |
| DIESELXX03 | 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 an emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Manufacture Date = Date of manufacture was after 04/01/2006.<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 2016.<br>Install Date = The CI ICE was installed in 2016 or later.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| DIESELXX03 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-2 | 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 100 HP and less than 250 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). | |
| HEPAC1 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn<br>ESAD Date Placed in Service = Placed into service after December 31, 2000.<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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| HEPAC1 | 40 CFR Part 60, Subpart IIII | 60IIII-2 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2012.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| HEPAC1 | 40 CFR Part 63, Subpart ZZZZ | 60ZZZZ | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| HEPAC2 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn<br>ESAD Date Placed in Service = Placed into service after December 31, 2000.<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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| HEPAC2 | 40 CFR Part 60, Subpart IIII | 60IIII-2 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2012.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| HEPAC2 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| ICSGT01 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, in response to and during any officially declared disaster or state of emergency or directly and exclusively in agriculture<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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Reduction = No NOx reduction<br>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000<br>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| ICSGT01 | 40 CFR Part 60, Subpart IIII | 60IIII-1A | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005. | |
| ICSGT02 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, in response to and during any officially declared disaster or state of emergency or directly and exclusively in agriculture<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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| ICSGT02 | 40 CFR Part 60, Subpart IIII | 60IIII-1A | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005. | |
| ICSGT03 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, in response to and during any officially declared disaster or state of emergency or directly and exclusively in agriculture<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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000<br>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| ICSGT03 | 40 CFR Part 60, Subpart IIII | 60IIII-1A | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005. | |
| LUNCHTNT | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-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. | |
| LUNCHTNT | 40 CFR Part 60, Subpart IIII | 60IIII | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Model Year = CI ICE was manufactured in model year 2013.<br>Kilowatts = Power rating is greater than 368 KW and less than 600 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| LUNCHTNT | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| UTPAC1 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn<br>ESAD Date Placed in Service = Placed into service after December 31, 2000.<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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| UTPAC1 | 40 CFR Part 60, Subpart IIII | 60IIII-2 | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2012.<br>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| UTPAC1 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| UTPAC2 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-burn<br>ESAD Date Placed in Service = Placed into service after December 31, 2000.<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 = Fuel flow is monitored with a totalizing fuel flow meter permit 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** |
|---|---|---|---|---|
| | | | 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. | |
| UTPAC2 | 40 CFR Part 60, Subpart IIII | 60IIII-2 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2012.<br>Kilowatts = Power rating is greater than or equal to 75 KW and less than or equal to 368 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| UTPAC2 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| UTZA03 | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-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 50 hp or greater, but less than 100 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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. | |
| UTZA03 | 40 CFR Part 60, Subpart IIII | 60IIII | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is less than 10 liters per cylinder.<br>Generator Set = The CI ICE is not a generator set engine.<br>Model Year = CI ICE was manufactured in model year 2012.<br>Kilowatts = Power rating is greater than or equal to 56 KW and less than 75 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>AECD = The CI ICE is not equipped with auxiliary emission control devices (AECDs) pursuant to the requirements of 40 CFR 1039.665<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| UTZA03 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-3A | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XGF01PAC | 30 TAC Chapter 117, Subchapter B | R7300 | Type of Service = SRIC engine not meeting an exemption<br>Fuel Fired = Petroleum-based diesel fuel<br>Engine Type = Rich-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. | |
| XGF01PAC | 40 CFR Part 60, Subpart IIII | 60IIII-4 | 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 non-emergency engine.<br>Commencing = CI ICE was newly constructed after 07/11/2005<br>Manufacture Date = Date of manufacture was after 04/01/2006.<br>Diesel = Diesel fuel is used.<br>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.<br>Model Year = CI ICE was manufactured in model year 2013.<br>Kilowatts = Power rating is greater than 368 KW and less than 600 KW.<br>Filter = The CI ICE is equipped with a diesel particulate filter.<br>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. | |
| XGF01PAC | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-3A | HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Normal use.<br>Stationary RICE Type = Compression ignition engine | |
| XZL16 | 30 TAC Chapter 117, Subchapter B | R7300 | 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<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 = Fuel flow is monitored with a totalizing fuel flow meter permit 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<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. | |
| XZL16 | 40 CFR Part 60, Subpart IIII | 60IIII-1A | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification on or before 07/11/2005. | |
| XZL16 | 40 CFR Part 63, Subpart ZZZZ | 63ZZZZ-1A | 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 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). | |
| C1042 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| C1042 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| GRP-BNWT | 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 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>Closed Vent System and Control Device = A closed vent system and control device is used.<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 does not contain 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.<br>Control Device Type/Operation = Flare<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation. | |
| GRP-BNWT | 40 CFR Part 61, Subpart FF | 61FF-2A | 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 an alternate means of emission limitation as described in 40 CFR § 60.114b | |
| GRP-BNWTF | 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 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** |
|---|---|---|---|---|
| | | | Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.<br>Closed Vent System and Control Device = A closed vent system and control device is used.<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 does not contain any by-pass line that could divert the vent stream away from the control device.<br>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760° C<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation. | |
| GRP-BNWTF | 40 CFR Part 61, Subpart FF | 61FF-3 | 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>Closed Vent System and Control Device = A closed vent system and control device is used.<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 does not contain any by-pass line that could divert the vent stream away from the control device.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough. | |
| GRP-BNWW1 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Waste mixture of indeterminate or variable composition | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 two seals mounted one above the other to form a continuous closure | |
| GRP-BNWW1 | 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 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>Closed Vent System and Control Device = A closed vent system and control device is used.<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 does not contain any by-pass line that could divert the vent stream away from the control device.<br>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760° C<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation. | |
| GRP-BNWW1 | 40 CFR Part 61, Subpart FF | 61FF-3 | 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>Closed Vent System and Control Device = A closed vent system and control device is used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 does not contain any by-pass line that could divert the vent stream away from the control device.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough. | |
| GRP-TKMSL | 30 TAC Chapter 115, Storage of VOCs | R5111-21 | 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 | |
| KLTK-01A | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |
| KLTK-01A | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| KLTK-01C | 30 TAC Chapter 115, Storage of VOCs | R5111 | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = Other than crude oil, condensate, or VOC | |
| KLTK-01C | 40 CFR Part 60, Subpart Kb | 60Kb | Product Stored = Stored product other than volatile organic liquid or petroleum liquid | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| LD25 | 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 using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| LD25 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| MD20 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |
| MD20 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| MTK01 | 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 | |
| MTK01 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| MTK02 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 | |
| MTK02 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| NTK01 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |
| NTK01 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| OLDLOAD | 40 CFR Part 63, Subpart EEEE | 63EEEE | Product Stored = Organic HAP containing liquid other than crude oil. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| OLDTANK | 40 CFR Part 63, Subpart EEEE | 63EEEE | Product Stored = Organic HAP containing liquid other than crude oil. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| RD18 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |
| RD18 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| UTK01 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| UTK01 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| UTK201A | 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 vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| UTK201A | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| UTK201B | 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 vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| UTK201B | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| UTK202 | 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 vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| UTK202 | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| UTK203 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |
| UTK203 | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| XMLTK02 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |
| XMLTK02 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| XXZD10 | 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 using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| XXZD10 | 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XXZD12 | 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 25,000 gallons but less than or equal to 40,000 gallons<br>Tank Description = Tank using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| XXZD12 | 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. | |
| XXZD12 | 40 CFR Part 60, Subpart Kb | 60Kb-7 | Product Stored = Volatile organic liquid<br>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)<br>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 2.2 psia but less than 4.0 psia | |
| XZD10 | 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 using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| XZD10 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| XZD12 | 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 using a vapor recovery system (VRS)<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** |
|---|---|---|---|---|
| | | | Control Device Type = Flare | |
| XZD12 | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| XZLTK16 | 30 TAC Chapter 115, Storage of VOCs | R5112 | 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 | |
| XZLTK16 | 40 CFR Part 60, Subpart Kb | 60Kb-2 | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| XZTK01 | 30 TAC Chapter 115, Storage of VOCs | R5112 | 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 vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Other vapor recovery unit | |
| XZTK01 | 40 CFR Part 60, Subpart Kb | 60Kb-4 | Product Stored = Waste mixture of indeterminate or variable composition<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| XZTK01 | 40 CFR Part 61, Subpart FF | 61FF-CRBCN | 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** |
|---|---|---|---|---|
| | | | 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 car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough. | |
| XZTK01 | 40 CFR Part 61, Subpart FF | 61FF-FURN | 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 routed to a fuel gas system. | |
| XZTK01 | 40 CFR Part 61, Subpart Y | 61Y | Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a) | |
| XZTK02 | 30 TAC Chapter 115, Storage of VOCs | R5112 | 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 vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Other vapor recovery unit | |
| XZTK02 | 40 CFR Part 60, Subpart Kb | 60Kb-4 | Product Stored = Waste mixture of indeterminate or variable composition | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| XZTK02 | 40 CFR Part 61, Subpart FF | 61FF-CRBCN | 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 car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough. | |
| XZTK02 | 40 CFR Part 61, Subpart FF | 61FF-FURN | 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 routed to a fuel gas system. | |
| XZTK05 | 40 CFR Part 60, Subpart Kb | 60Kb-5 | 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 less than 0.5 psia | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XZTK05 | 40 CFR Part 60, Subpart Kb | 60Kb-6 | 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 | |
| XZTK05 | 40 CFR Part 61, Subpart FF | 61FF | 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 | |
| XZTK06 | 30 TAC Chapter 115, Storage of VOCs | R5112 | 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 | |
| XZTK06 | 40 CFR Part 60, Subpart Kb | 60Kb-5 | 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 less than 0.5 psia | |
| XZTK06 | 40 CFR Part 60, Subpart Kb | 60Kb-6 | Product Stored = Volatile organic liquid<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 | |
| XZTK06 | 40 CFR Part 61, Subpart FF | 61FF | 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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XZTK06 | 40 CFR Part 61, Subpart Y | 61Y | Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a) | |
| XZTK07 | 30 TAC Chapter 115, Storage of VOCs | R5112 | 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 | |
| XZTK07 | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| XZTK07 | 40 CFR Part 61, Subpart Y | 61Y | Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a) | |
| XZTK11 | 30 TAC Chapter 115, Storage of VOCs | R5112 | 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 | |
| XZTK11 | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| XZTK21 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |
| XZTK21 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XZTK22 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |
| XZTK22 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| XZTK23 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |
| XZTK23 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| XZTK24 | 30 TAC Chapter 115, Storage of VOCs | R5111-0 | 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 | |
| XZTK24 | 40 CFR Part 60, Subpart Kb | 60Kb-1 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters) | |
| ZD43 | 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 vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare | |
| ZTK05 | 30 TAC Chapter 115, Storage of VOCs | R5112-3 | 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) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia | |
| ZTK05 | 40 CFR Part 60, Subpart K | 60K-4 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia<br>Storage Vessel Description = Floating roof (internal or external)<br>Reid Vapor Pressure = Reid vapor pressure at least 1.0 psia | |
| ZTK05 | 40 CFR Part 63, Subpart YY | 63YY | 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. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| ZTK06 | 30 TAC Chapter 115, Storage of VOCs | R5112-3 | 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 | |
| ZTK06 | 40 CFR Part 60, Subpart K | 60K-4 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia<br>Storage Vessel Description = Floating roof (internal or external)<br>Reid Vapor Pressure = Reid vapor pressure at least 1.0 psia | |
| ZTK06 | 40 CFR Part 63, Subpart YY | 63YY | 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. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| ZTK07 | 30 TAC Chapter 115, Storage of VOCs | R5112-3 | 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 | |
| ZTK07 | 40 CFR Part 60, Subpart K | 60K-4 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia<br>Storage Vessel Description = Floating roof (internal or external)<br>Reid Vapor Pressure = Reid vapor pressure at least 1.0 psia | |
| ZTK07 | 40 CFR Part 63, Subpart YY | 63YY | 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. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| ZTK08 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK08 | 40 CFR Part 60, Subpart K | 60K-5 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less | |
| ZTK09A | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK09A | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| ZTK09A | 40 CFR Part 60, Subpart K | 60K-5 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less | |
| ZTK09B | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK09B | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| ZTK09B | 40 CFR Part 60, Subpart K | 60K-5 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less | |
| ZTK10 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK10 | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| ZTK10 | 40 CFR Part 60, Subpart K | 60K-5 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less | |
| ZTK11 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK11 | 40 CFR Part 60, Subpart K | 60K-5 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Petroleum liquid (other than petroleum or condensate)<br>True Vapor Pressure = True vapor pressure is less than 1.5 psia<br>Storage Vessel Description = Emission controls not required<br>Reid Vapor Pressure = Reid vapor pressure is less than 1.0 psia<br>Maximum True Vapor Pressure = Maximum true vapor pressure is 1.0 psia or less | |
| ZTK12A | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK12A | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| ZTK13 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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** |
|---|---|---|---|---|
| | | | Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 40,000 gallons<br>Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK13 | 40 CFR Part 60, Subpart Kb | 60Kb | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)<br>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia<br>Storage Vessel Description = Emission controls not required (fixed roof) | |
| ZTK13 | 40 CFR Part 61, Subpart FF | 61FF | 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>Closed Vent System and Control Device = No closed vent system and control device is used.<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 car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced at a regular predetermined interval. | |
| ZTK13A | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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** |
|---|---|---|---|---|
| | | | 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 | |
| ZTK13A | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| ZTK13A | 40 CFR Part 61, Subpart FF | 61FF | 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>Closed Vent System and Control Device = No closed vent system and control device is used.<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 car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced at a regular predetermined interval. | |
| ZTK13B | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 | |
| ZTK13B | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| ZTK13B | 40 CFR Part 61, Subpart FF | 61FF | 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>Closed Vent System and Control Device = No closed vent system and control device is used.<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 car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced at a regular predetermined interval. | |
| ZTK13C | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Tank Description = Tank does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK13C | 40 CFR Part 60, Subpart Kb | 60Kb-3 | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters) | |
| ZTK13C | 40 CFR Part 61, Subpart FF | 61FF | 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>Closed Vent System and Control Device = No closed vent system and control device is used.<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 car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced at a regular predetermined interval. | |
| ZTK20 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 an internal floating roof (IFR)<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| ZTK20 | 40 CFR Part 60, Subpart K | 60K-3 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| ZTK20 | 40 CFR Part 63, Subpart G | 63G | 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. | |
| ZTK25 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 does not require emission controls<br>True Vapor Pressure = True vapor pressure is less than 1.0 psia | |
| ZTK25 | 40 CFR Part 60, Subpart K | 60K-2 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is greater than 40,000 gallons (151,416 liters) and less than or equal to 65,000 gallons (246,052 liters)<br>Product Stored = Stored product other than petroleum liquid (as defined in 40 CFR Part 60, Subpart K) | |
| ZTK25 | 40 CFR Part 63, Subpart G | 63G | 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. | |
| ZTK27 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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 | |
| ZTK27 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| ZTK28 | 30 TAC Chapter 115, Storage of VOCs | R5111-1 | 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** |
|---|---|---|---|---|
| | | | 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 | |
| ZTK28 | 40 CFR Part 60, Subpart K | 60K-1 | Construction/Modification Date = After March 8, 1974 and on or before May 19, 1978<br>Storage Capacity = Capacity is 40,000 gallons (151,416 liters) or less | |
| CBLOAD-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-5 | 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 = Loading greater than or equal to 20,000 gallons per day.<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 flare; or a vapor combustor considered to be a flare<br>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. | |
| LD25-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-5 | 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 = Loading greater than or equal to 20,000 gallons per day.<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 flare; or a vapor combustor considered to be a flare<br>Vapor Tight = 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** |
|---|---|---|---|---|
| LOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-3 | 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.<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%. | |
| LOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-4 | 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 = Vapor control system that maintains a control efficiency of at least 90%.<br>Chapter 115 Control Device Type = Vapor control system with a carbon adsorption system.<br>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. | |
| LOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-5 | 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 = Vapor control system that maintains a control efficiency of at least 90%. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Chapter 115 Control Device Type = Vapor control system with a flare; or a vapor combustor considered to be a flare<br>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. | |
| LOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-5A | 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. | |
| LOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-6 | 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 = 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 = Vapor balance 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. | |
| LOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-7 | 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| UNLOAD-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-1 | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Only unloading.<br>True Vapor Pressure = True vapor pressure less than 0.5 psia. | |
| UNLOAD-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-2 | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<br>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.<br>Transfer Type = Only unloading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. | |
| UNLOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-1 | 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 unloading.<br>True Vapor Pressure = True vapor pressure less than 0.5 psia. | |
| UNLOADXX | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-2 | 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 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>Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected. | |
| XZTK01-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-6 | 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Loading greater than or equal to 20,000 gallons per day.<br>Control Options = Vapor balance 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. | |
| XZTK02-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-6 | 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 = Only loading.<br>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.<br>Daily Throughput = Loading greater than or equal to 20,000 gallons per day.<br>Control Options = Vapor balance 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. | |
| XZTK05-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-3 | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<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. | |
| XZTK06-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-3 | Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.<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. | |
| ZTK13-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | R5212-3 | 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** |
|---|---|---|---|---|
| | | | 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. | |
| CAF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| CBF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous emissions monitoring system | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Continuous emissions monitoring system | |
| CCF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| CDF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous emissions monitoring system | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Continuous emissions monitoring system | |
| CEF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| CFF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous emissions monitoring system | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Continuous emissions monitoring system | |
| CGF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| CHF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous emissions monitoring system | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Continuous emissions monitoring system | |
| CIF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| CJF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases<br>Fuel Type #3 = Liquid<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous emissions monitoring system | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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 = Continuous emissions monitoring system | |
| COF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| CQF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option<br>CO Monitoring System = Continuous emissions monitoring system | |
| GRP-XXFURN | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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>Opt-In Unit = The unit is not an opt-in unit listed in 30 TAC § 117.115(f) or the owner or operator has chosen not to include into the Plant-wide emission or Source Cap.<br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br>NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = Post combustion control technique with ammonia injection<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2)<br>NH3 Monitoring = Continuous emission monitoring system. | -- Affected Pollutant - $NO_X$:<br>Reporting: - § 117.345(d)(2), (d)(4)-(5) were added for semi-annual reports. |
| GRP-XXFURN | 30 TAC Chapter 117, Subchapter B | R7300-ACSS | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.<br>Fuel Type #2 = Natural gas<br>Annual Heat Input = Annual heat input is greater than 2.2 ($10^{11}$) 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>Opt-In Unit = The unit is not an opt-in unit listed in 30 TAC § 117.115(f) or the owner or operator has chosen not to include into the Plant-wide emission or Source Cap.<br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br>NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Reduction = Post combustion control technique with ammonia injection<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system<br>NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a)<br>NH3 Monitoring = Continuous emission monitoring system. | |
| XAF01 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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>Opt-In Unit = The unit is not an opt-in unit listed in 30 TAC § 117.115(f) or the owner or operator has chosen not to include into the Plant-wide emission or Source Cap.<br>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br>NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| XBF01 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.<br>NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| XCF01 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| XDF01 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| XEF01 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| XFF01 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Reduction = No $NO_x$ reduction<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system | |
| XGF01 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Pyrolysis reactor<br>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr<br>Fuel Type #1 = Natural gas<br>Fuel Type #2 = 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 ($10^{11}$) 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 = Complying with the applicable emission limit using a block one-hour average<br>NOx Reduction = Post combustion control technique with ammonia injection<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2)<br>NH3 Monitoring = Continuous emission monitoring system. | -- Affected Pollutant - $NO_x$:<br>Reporting: § 117.345(d)(2), (d)(4)-(5) were added for semi-annual reports. |
| BOILERA | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.<br>Fuel Type #1 = Natural gas.<br>Fuel Type #2 = 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($10^{11}$) Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Emission Limit Average = Other emission limit basis.<br>NOx Reductions = Forced flue gas recirculation.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system. | |
| BOILERA | 40 CFR Part 60, Subpart D | 60D-1A | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>D-Series Fuel Type #2 = Natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERA | 40 CFR Part 60, Subpart D | 60D-1B | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERA | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or before June 19, 1984.<br>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). | |
| BOILERA | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| BOILERA | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)<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 | |
| BOILERB | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.<br>Fuel Type #1 = Natural gas. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Other emission limit basis.<br>NOx Reductions = Forced flue gas recirculation.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system. | |
| BOILERB | 40 CFR Part 60, Subpart D | 60D-1A | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>D-Series Fuel Type #2 = Natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERB | 40 CFR Part 60, Subpart D | 60D-1B | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERB | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or before June 19, 1984.<br>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). | |
| BOILERB | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| BOILERB | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)<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 | |
| BOILERC | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.<br>Fuel Type #1 = Natural gas.<br>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Other emission limit basis.<br>NOx Reductions = Forced flue gas recirculation.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system. | |
| BOILERC | 40 CFR Part 60, Subpart D | 60D-1A | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>D-Series Fuel Type #2 = Natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERC | 40 CFR Part 60, Subpart D | 60D-1B | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERC | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or before June 19, 1984.<br>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). | |
| BOILERC | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| BOILERC | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)<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 | |
| BOILERD | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.<br>Fuel Type #1 = Natural gas.<br>Fuel Type #2 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Other emission limit basis.<br>NOx Reductions = Forced flue gas recirculation.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system. | |
| BOILERD | 40 CFR Part 60, Subpart D | 60D-1A | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX.<br>D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>D-Series Fuel Type #2 = Natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERD | 40 CFR Part 60, Subpart D | 60D-1B | Construction/Modification Date = After December 22, 1976, and on or before September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is greater than 250 MMBtu/hr (73 MW).<br>Alternate 42C = The facility is meeting the requirements of § 60.42(a) for PM.<br>PM CEMS = The facility does not use a CEMS to measure PM.<br>Opacity Monitoring = Facility meets exemption from COMS in § 60.45(b)(1) or (b)(6).<br>Gas/Liquid Fuel = The facility burns only gaseous or liquid fossil fuel (excluding residual oil) with potential $SO_2$ emissions rates of 0.060 lb/MMBtu or less and does not use post combustion technology to reduce emissions of $SO_2$ or PM.<br>Fuels with 0.30 Percent or Less Sulfur = Facility uses post combustion technology (except a wet scrubber) for reducing PM, $SO_2$, or CO, burns gaseous fuels or fuel oils that contain more than 0.30 % sulfur by weight or other fuels, or operates so CO emissions are > 0.15 lb/MMBtu average.<br>Specific Site = The facility is not Southwestern Public Service Company's Harrington Station #1 in Amarillo, TX. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | D-Series Fuel Type #1 = Gaseous fossil fuel other than natural gas.<br>Alternate 43D = No alternative requirement is used for $SO_2$, unit is complying with requirements of § 60.43(a) and (b).<br>Alternate 44E = The facility is meeting the requirements of § 60.44(a), (b), and (d) for $NO_x$.<br>Flue Gas Desulfurization = The unit does not utilize a flue gas desulfurization device.<br>SO2 Monitoring = Fuel sampling and analysis.<br>Cyclone-Fired Unit = The unit is not a cyclone-fired unit.<br>NOx Monitoring Type = It was demonstrated during the performance test that emissions of $NO_x$ are less than 70% of applicable standards in 40 CFR § 60.44. | |
| BOILERD | 40 CFR Part 60, Subpart Db | 60Db | Construction/Modification Date = On or before June 19, 1984.<br>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW). | |
| BOILERD | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| BOILERD | 40 CFR Part 63, Subpart DDDDD | 63DDDDD-1 | Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)<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 | |
| HRSG1 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<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 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Emission Monitoring = Continuous emissions monitoring system. | |
| HRSG1 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Unit Type = Other industrial, commercial, or institutional boiler.<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 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous 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 = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a).<br>CO Monitoring System = Continuous emissions monitoring system.<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Emission Monitoring = Continuous emissions monitoring system. | |
| HRSG1 | 40 CFR Part 60, Subpart D | 60D | Construction/Modification Date = After September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW). | |
| HRSG1 | 40 CFR Part 60, Subpart Db | 60Db-1A | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.<br>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.<br>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.<br>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.<br>D-Series Fuel Type #1 = Natural gas.<br>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.<br>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.<br>ACF Option - SO2 = Other ACF or no ACF.<br>ACF Option - PM = Other ACF or no ACF.<br>ACF Option - NOx = Other ACF or no ACF.<br>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.<br>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.<br>PM Monitoring Type = No particulate monitoring.<br>Opacity Monitoring Type = No particulate (opacity) monitoring.<br>NOx Monitoring Type = No $NO_x$ monitoring.<br>SO2 Monitoring Type = No $SO_2$ monitoring.<br>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions<br>Unit Type = Duct burner as part of combined cycle system (compliance with $NO_x$ limitations is determined by conducting a performance test).<br>Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a $NO_x$ emission limit that applies specifically when the byproduct/waste is combusted. | |
| HRSG1 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| HRSG2 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<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 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system.<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Emission Monitoring = Continuous emissions monitoring system. | |
| HRSG2 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Unit Type = Other industrial, commercial, or institutional boiler.<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 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous 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 = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a).<br>CO Monitoring System = Continuous emissions monitoring system.<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Emission Monitoring = Continuous emissions monitoring system. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| HRSG2 | 40 CFR Part 60, Subpart D | 60D | Construction/Modification Date = After September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW). | |
| HRSG2 | 40 CFR Part 60, Subpart Db | 60Db-1A | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.<br>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.<br>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.<br>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.<br>D-Series Fuel Type #1 = Natural gas.<br>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.<br>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.<br>ACF Option - SO2 = Other ACF or no ACF.<br>ACF Option - PM = Other ACF or no ACF.<br>ACF Option - NOx = Other ACF or no ACF.<br>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.<br>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.<br>PM Monitoring Type = No particulate monitoring.<br>Opacity Monitoring Type = No particulate (opacity) monitoring.<br>NOx Monitoring Type = No $NO_x$ monitoring.<br>SO2 Monitoring Type = No $SO_2$ monitoring.<br>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Unit Type = Duct burner as part of combined cycle system (compliance with $NO_x$ limitations is determined by conducting a performance test).<br>Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a $NO_x$ emission limit that applies specifically when the byproduct/waste is combusted. | |
| HRSG2 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| HRSG3 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<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 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous 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 = Continuous emissions monitoring system.<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Emission Monitoring = Continuous emissions monitoring system. | |
| HRSG3 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Unit Type = Other industrial, commercial, or institutional boiler.<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 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration]. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous 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 = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a).<br>CO Monitoring System = Continuous emissions monitoring system.<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Emission Monitoring = Continuous emissions monitoring system. | |
| HRSG3 | 40 CFR Part 60, Subpart D | 60D | Construction/Modification Date = After September 18, 1978.<br>Covered Under Subpart Da or KKKK = The steam generating unit is not covered under 40 CFR Part 60, Subpart Da or 40 CFR Part 60, Subpart KKKK.<br>Changes to Existing Affected Facility = No change has been made to the existing fossil fuel-fired steam generating unit.<br>Heat Input Rate = Heat input rate is less than or equal to 250 MMBtu/hr (73 MW). | |
| HRSG3 | 40 CFR Part 60, Subpart Db | 60Db-1A | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.<br>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.<br>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.<br>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.<br>D-Series Fuel Type #1 = Natural gas.<br>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.<br>ACF Option - SO2 = Other ACF or no ACF.<br>ACF Option - PM = Other ACF or no ACF.<br>ACF Option - NOx = Other ACF or no ACF.<br>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.<br>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.<br>PM Monitoring Type = No particulate monitoring.<br>Opacity Monitoring Type = No particulate (opacity) monitoring.<br>NOx Monitoring Type = No $NO_x$ monitoring.<br>SO2 Monitoring Type = No $SO_2$ monitoring.<br>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions<br>Unit Type = Duct burner as part of combined cycle system (compliance with $NO_x$ limitations is determined by conducting a performance test).<br>Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a $NO_x$ emission limit that applies specifically when the byproduct/waste is combusted. | |
| HRSG3 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = On or before June 9, 1989. | |
| HRSG4 | 30 TAC Chapter 117, Subchapter B | R7300 | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.<br>RACT Date Placed in Service = After June 9, 1993, and before the final compliance date specified in 30 TAC § 117.9000.<br>Functionally Identical Replacement = Unit is not a functionally identical replacement.<br>Fuel Type #1 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Other post combustion control method.<br>NOx Monitoring System = Continuous 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). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option.<br>CO Monitoring System = Continuous emissions monitoring system. | |
| HRSG4 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Unit Type = Other industrial, commercial, or institutional boiler.<br>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.<br>RACT Date Placed in Service = After June 9, 1993, and before the final compliance date specified in 30 TAC § 117.9000.<br>Fuel Type #1 = Natural gas.<br>Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.<br>NOx Emission Limitation = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].<br>EGF System Cap Unit = The unit is used as an electric generating facility to generate electricity for sale to the electric grid.<br>NOx Emission Limit Average = Emission limit in pounds/MMBtu on a rolling 30-day and 24-hour average.<br>NOx Reductions = Other post combustion control method.<br>NOx Monitoring System = Continuous 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 = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.125(a), 117.325(a) or 117.425(a).<br>CO Monitoring System = Continuous emissions monitoring system. | |
| HRSG4 | 40 CFR Part 60, Subpart Db | 60Db-1A | Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.<br>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).<br>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.<br>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.<br>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.<br>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.<br>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.<br>D-Series Fuel Type #1 = Natural gas. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.<br>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.<br>ACF Option - SO2 = Other ACF or no ACF.<br>ACF Option - PM = Other ACF or no ACF.<br>ACF Option - NOx = Other ACF or no ACF.<br>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.<br>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.<br>PM Monitoring Type = No particulate monitoring.<br>Opacity Monitoring Type = No particulate (opacity) monitoring.<br>NOx Monitoring Type = No $NO_x$ monitoring.<br>SO2 Monitoring Type = No $SO_2$ monitoring.<br>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions<br>Unit Type = Duct burner as part of combined cycle system (compliance with $NO_x$ limitations is determined by conducting a performance test).<br>Alternate Emission Limit (AEL) = The facility combusts byproduct/waste with either natural gas or oil and did not petition the EPA Administrator to establish a $NO_x$ emission limit that applies specifically when the byproduct/waste is combusted. | |
| HRSG4 | 40 CFR Part 60, Subpart Dc | 60Dc | Construction/Modification Date = After June 9, 1989 but on or before February 28, 2005.<br>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than 100 MMBtu/hr (29 MW). | |
| HRSG5 | 40 CFR Part 60, Subpart Dc | 60Dc-1 | Construction/Modification Date = After February 28, 2005.<br>Maximum Design Heat Input Capacity = Maximum design heat input capacity is greater than 100 MMBtu/hr (29 MW).<br>Applicability = Unit is not subject to other 40 CFR Part 60 subparts<br>Heat Input Capacity = Heat input capacity is greater than 75 MMBtu/hr (22 MW).<br>D-Series Fuel Type = Natural gas.<br>ACF Option - SO2 = Other ACF or no ACF.<br>ACF Option - PM = Other ACF or no ACF.<br>30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.<br>PM Monitoring Type = No particulate monitoring because there is no applicable PM emission limit<br>SO2 Inlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | SO2 Outlet Monitoring Type = No SO2 monitoring because there is no applicable SO2 emission limit<br>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions | |
| FLAREX | 30 TAC Chapter 111, Visible Emissions | R1111-2 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| FLAREX | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-4 | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.<br>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>§115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |
| FLAREX | 40 CFR Part 60, Subpart A | 60A-1 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| FLAREX | 40 CFR Part 60, Subpart A | 60A-2 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| FLAREX | 40 CFR Part 60, Subpart A | 60A-3 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm) | |
| FLAREX | 40 CFR Part 63, Subpart A | 63A-1 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| FLAREX | 40 CFR Part 63, Subpart A | 63A-2 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREX | 40 CFR Part 63, Subpart A | 63A-3 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREXX1 | 30 TAC Chapter 111, Visible Emissions | R1111-2 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| FLAREXX1 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-4 | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.<br>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>§115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |
| FLAREXX1 | 40 CFR Part 60, Subpart A | 60A-1 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| FLAREXX1 | 40 CFR Part 60, Subpart A | 60A-2 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREXX1 | 40 CFR Part 60, Subpart A | 60A-3 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm) | |
| FLAREXX1 | 40 CFR Part 63, Subpart A | 63A-1 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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).<br>Flare Assist Type = Steam assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| FLAREXX1 | 40 CFR Part 63, Subpart A | 63A-2 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREXX1 | 40 CFR Part 63, Subpart A | 63A-3 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREXX2 | 30 TAC Chapter 111, Visible Emissions | R1111-A | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| FLAREXX2 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-4A | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.<br>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | §115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |
| FLAREXX2 | 40 CFR Part 60, Subpart A | 60A-1A | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Non-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| FLAREXX2 | 40 CFR Part 60, Subpart A | 60A-2A | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Non-assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREXX2 | 40 CFR Part 60, Subpart A | 60A-3A | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Non-assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm) | |
| FLAREXX2 | 40 CFR Part 63, Subpart A | 63A-1A | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Non-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| FLAREXX2 | 40 CFR Part 63, Subpart A | 63A-2A | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Non-assisted | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| FLAREXX2 | 40 CFR Part 63, Subpart A | 63A-3A | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Non-assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm). | |
| PRIMFL | 30 TAC Chapter 111, Visible Emissions | R1111-2 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| PRIMFL | 30 TAC Chapter 115, HRVOC Vent Gas | R115H | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.<br>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>§115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |
| PRIMFL | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-4 | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>§115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |
| PRIMFL | 40 CFR Part 60, Subpart A | 60A-1 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| PRIMFL | 40 CFR Part 60, Subpart A | 60A-2 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| PRIMFL | 40 CFR Part 60, Subpart A | 60A-3 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| PRIMFL | 40 CFR Part 63, Subpart A | 63A-1 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| PRIMFL | 40 CFR Part 63, Subpart A | 63A-2 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| PRIMFL | 40 CFR Part 63, Subpart A | 63A-3 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm). | |
| SECFL | 30 TAC Chapter 111, Visible Emissions | R1111-2 | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions. | |
| SECFL | 30 TAC Chapter 115, HRVOC Vent Gas | R115H | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.<br>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>§115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| SECFL | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-4 | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = The alternative monitoring approach described in 115.725(m)(1) is being used.<br>Modifications to Testing/Monitoring = Test methods or monitoring methods other than those specified in this section approved by the executive director.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>§115.725(h)(4) Alternative = Using the continuous monitoring requirements in § 115.725(d)(2).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. | |
| SECFL | 40 CFR Part 60, Subpart A | 60A-1 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| SECFL | 40 CFR Part 60, Subpart A | 60A-2 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| SECFL | 40 CFR Part 60, Subpart A | 60A-3 | Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.<br>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).<br>Flare Assist Type = Steam-assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm) | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| SECFL | 40 CFR Part 63, Subpart A | 63A-1 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec) | |
| SECFL | 40 CFR Part 63, Subpart A | 63A-2 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm). | |
| SECFL | 40 CFR Part 63, Subpart A | 63A-3 | Required Under 40 CFR Part 63 = Flare is required by a Subpart under 40 CFR Part 63.<br>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).<br>Flare Assist Type = Steam assisted<br>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).<br>Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm). | |
| HRSG1 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is 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).<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG1 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG1 | 40 CFR Part 60, Subpart GG | 60GG | Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)<br>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.<br>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.<br>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.<br>Manufacturer's Rated Base Load = Base load is greater than 30 MW.<br>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.<br>Fuel Type Fired = Gaseous fuel other than natural gas.<br>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.<br>Fuel Monitoring Schedule = Monitoring and recording the sulfur content once per unit operating day. | |
| HRSG1 | 40 CFR Part 63, Subpart YYYY | 63YYYY | Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed on or before 1/14/2003. | |
| HRSG2 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is 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).<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG2 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG2 | 40 CFR Part 60, Subpart GG | 60GG | Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)<br>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.<br>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.<br>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Manufacturer's Rated Base Load = Base load is greater than 30 MW.<br>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.<br>Fuel Type Fired = Gaseous fuel other than natural gas.<br>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.<br>Fuel Monitoring Schedule = Monitoring and recording the sulfur content once per unit operating day. | |
| HRSG2 | 40 CFR Part 63, Subpart YYYY | 63YYYY | Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed on or before 1/14/2003. | |
| HRSG3 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is 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).<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG3 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG3 | 40 CFR Part 60, Subpart GG | 60GG | Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)<br>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.<br>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.<br>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.<br>Manufacturer's Rated Base Load = Base load is greater than 30 MW.<br>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.<br>Fuel Type Fired = Gaseous fuel other than natural gas.<br>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.<br>Fuel Monitoring Schedule = Monitoring and recording the sulfur content once per unit operating day. | |
| HRSG3 | 40 CFR Part 63, Subpart YYYY | 63YYYY | Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed on or before 1/14/2003. | |
| HRSG4 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = No $NO_x$ reduction.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is 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).<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| HRSG4 | 30 TAC Chapter 117, Subchapter B | R7300-1N | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG4 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = No $NO_x$ reduction.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). | |
| HRSG4 | 30 TAC Chapter 117, Subchapter B | R7300-ACSN | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG4 | 40 CFR Part 60, Subpart GG | 60GG | Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)<br>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.<br>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.<br>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.<br>Manufacturer's Rated Base Load = Base load is greater than 30 MW.<br>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.<br>Fuel Type Fired = Gaseous fuel other than natural gas.<br>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.<br>Fuel Monitoring Schedule = Monitoring and recording the sulfur content once per unit operating day. | |
| HRSG4 | 40 CFR Part 63, Subpart YYYY | 63YYYY | Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed on or before 1/14/2003. | |
| HRSG5 | 30 TAC Chapter 117, Subchapter B | R7300-1 | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is 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).<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG5 | 30 TAC Chapter 117, Subchapter B | R7300-1-ACS | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).<br>CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG5 | 30 TAC Chapter 117, Subchapter B | R7300-ACS | Megawatt Rating = MR is greater than or equal to 30 MW.<br>Service Type = Duct burner used in turbine exhaust.<br>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).<br>EGF System Cap Unit = The engine is used as an electric generating facility to generate electricity for sale to the electric grid.<br>Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.<br>NOx Reduction = Post combustion control technique with ammonia injection.<br>NOx Monitoring System = Continuous emissions monitoring system.<br>Fuel Flow Monitoring = Fuel flow is 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** |
|---|---|---|---|---|
| | | | CO Emission Limitation = Unit is complying with an Alternative Case Specific Specification under Title 30 TAC §§ 117.125, 117.325 or 117.425.<br>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).<br>NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2).<br>NH3 Monitoring = Continuous emissions monitoring system. | |
| HRSG5 | 40 CFR Part 60, Subpart KKKK | 60KKKK | Unit Type = Combined Heat and Power Combustion Turbine<br>Construction/Modification Date = Turbine was modified after February 18, 2005.<br>Heat Input = Turbine has a heat input at peak load of 850 MMBtu/hr or greater.<br>Subject to Da = The combustion turbine is not located at an integrated gasification combined cycle electric utility steam generating unit subject to Subpart Da of Part 60.<br>Service Type = Service other than emergency service, as defined in § 60.4420(i), or research and development.<br>NOx Standard = The output-based $NO_x$ emission standard in Table 1 is being used.<br>Fuel Type = 100% natural gas.<br>75% of Peak = The combustion turbine does not operate at less than 75% of peak load or at temperatures less than zero degrees F.<br>Turbine Use = Turbine is used for electric generation.<br>NOx Control = $NO_x$ emissions are not being controlled by steam or water injection.<br>NOx Monitoring = A diluent $NO_x$ CEMS is used.<br>Common Steam Header = A steam header with one or more combustion turbines is utilized.<br>Duct Burner = The heat recovery system includes a duct burner.<br>Location = The turbine is not located in a noncontinental area nor in a continental area for which the Administrator has determined does not have access to natural gas and that the removal of sulfur compounds would do more environmental harm than benefit.<br>$SO_2$ Standard = The heat input based $SO_2$ emission standard in § 60.4330(a)(2) or (a)(3) is being used.<br>Fuel Monitoring = All fuels used are demonstrated not to exceed the potential emissions standard in § 60.4365.<br>Fuel Quality = Fuel is demonstrated not to exceed emission standard by characteristics in purchase contract or tariff sheet.<br>Performance Test = Sulfur content of the fuel combusted in the turbine is being periodically determined. | |
| HRSG5 | 40 CFR Part 63, Subpart YYYY | 63YYYY | Construction/Reconstruction Date = Turbine was constructed, modified or reconstructed after 1/14/2003.<br>Rate Peak Power Output = Power output rating is one megawatt or greater.<br>Type of Service = Turbine is used in non-emergency service.<br>Fuel Fired = Turbine is fired with natural gas. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Turbine Combustion Process = Combustion process is lean-premix staged combustion.<br>Oxidation Catalyst = The turbine is using continuous monitoring of Administrator approved parameters.<br>Alternate Limitations = Petitioning for no additional operating limitations.<br>Distillate Oil Fired = No quantity of distillate oil is used to fire any new or existing stationary combustion turbine which is located at the same major source as the gas-fired stationary turbine. | |
| BOPFUG | 30 TAC Chapter 115, HRVOC Fugitive Emissions | R5780 | Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.<br>Less Than 250 Components at Site = The fugitive unit is located at a site with at least 250 fugitive components in VOC service.<br>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.<br>Pumps with Shaft Seal System = Pumps are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br>Compressors with Shaft Seal System = Compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br>Agitators with Shaft Seal System = Agitators are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br>Process Drains = The fugitive unit contains process drains.<br>ACR = No process drains are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Process drains are complying with the requirements of § 115.781(b)(9).<br>Pressure Relief Valves = The fugitive unit contains pressure relief valves.<br>ACR = No pressure relief valves are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Pressure relief valves are complying with the requirements of § 115.781(b)(9).<br>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.<br>ACR = No open-ended valves or lines are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Open-ended valves or lines are complying with the requirements of § 115.781(b)(9).<br>Bypass Line Valves = The fugitive unit contains bypass line valves.<br>ACR = No bypass line valves are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Bypass line valves are complying with the requirements of § 115.781(b)(9).<br>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.<br>ACR = No valves (other than pressure relief, open-ended, and bypass line) are complying with an alternate control requirement. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Complying with § 115.781(b)(9) = Valves (other than pressure relief, open-ended, and bypass line) are complying with the requirements of § 115.781(b)(9).<br>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.<br>ACR = No flanges or other connectors are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Flanges or other connectors are complying with the requirements of § 115.781(b)(9).<br>Compressor Seals = The fugitive unit contains compressor seals.<br>ACR = No compressor seals are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Compressor seals are complying with the requirements of § 115.781(b)(9).<br>Pump Seals = The fugitive unit contains pump seals.<br>ACR = No pump seals are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Pump seals are complying with the requirements of § 115.781(b)(9).<br>Agitators = The fugitive unit contains agitators.<br>ACR = No agitators are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Agitators are complying with the requirements of § 115.781(b)(9).<br>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.<br>ACR = No heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, or covers and seals on VOC water separators are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, or covers and seals on VOC water separators are complying with the requirements of § 115.781(b)(9).<br>Alternative Work Practice in § 115.358 = No components are complying with the alternative work practice requirements in 30 TAC § 115.358. | |
| BOPFUG | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352 | Title 30 TAC § 115.352 Applicable = The site contains a petroleum refinery, a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process as defined in 30 TAC § 115.10<br>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.<br>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.<br>Reciprocating Compressors Or Positive Displacement Pumps = The fugitive unit does not have reciprocating compressors or positive displacement pumps used in natural gas/gasoline processing operations. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Rupture Disks = The fugitive unit has pressure relief valves equipped with rupture disks.<br><br>Instrumentation Systems = The fugitive unit has instrumentation systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.<br><br>Sampling Connection Systems = The fugitive unit has sampling connection systems, as defined in 40 CFR § 63.161, that meet 40 CFR § 63.169.<br><br>TVP 0.002 PSIA or Less = The fugitive unit has components or systems that contact a process fluid containing VOC having a true vapor pressure less than or equal to 0.002 psia at 68 degrees Fahrenheit.<br><br>Process Drains = The fugitive unit has process drains.<br><br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for process drains or no alternate has been requested.<br><br>Complying with 30 TAC § 115.352(1) = Process drains are complying with the requirements in 30 TAC § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br><br>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Process drains contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.<br><br>Pressure Relief Valves = The fugitive unit contains pressure relief valves.<br><br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for pressure relief valves or no alternate has been requested.<br><br>Complying with § 115.352(1) = Pressure relief valves are complying with § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP of less than or equal to 0.044 psia at 68° F.<br><br>TVP of Process Fluid VOC > 0.044 psia at 68° F = Pressure relief valves contact a process fluid with a TVP > 0.044 psia at 68° F.<br><br>Open-ended Valves = The fugitive unit contains open-ended valves.<br><br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for open-ended valves or no alternate has been requested.<br><br>Complying with § 115.352(1) = Open-ended valves and lines are complying with § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Open-ended valves or lines contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br><br>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Open-ended valves contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.<br><br>Valves (other than pressure relief and open-ended) = The fugitive unit contains valves other than pressure relief valves or open-ended valves or lines. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for valves or no alternate has been requested.<br><br>Complying with § 115.352(1) = Valves are complying with § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 psia at 68° F = Valves contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.<br><br>TVP of Process Fluid VOC > 0.044 psia at 68° F = Valves contact a process fluid with a TVP greater than 0.044 psia at 68° F.<br><br>Flanges = The fugitive unit contains flanges.<br><br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for flanges or no alternate has been requested.<br><br>Complying with 30 TAC § 115.352(1) = Flanges are complying with the requirements in 30 TAC § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Flanges contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br><br>TVP of Process Fluid VOC > 0.044 PSIA AT 68° F = Flanges contact a process fluid containing VOC having a TVP greater than 0.044 psia at 68 degrees Fahrenheit.<br><br>Agitators = The fugitive unit contains agitators.<br><br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for agitators or no alternate has been requested.<br><br>Complying WIth § 115.352(1) = Agitators are complying with § 115.352(1).<br><br>TVP of Process Fluid VOC <= 0.044 psia at 68° F = Agitators contact a process fluid with a TVP less than or equal to 0.044 psia at 68° F.<br><br>TVP of Process Fluid VOC > 0.044 psia at 68° F = Agitators contact a process fluid with a TVP greater than 0.044 psia at 68° F.<br><br>Compressor Seals = The fugitive unit contains compressor seals.<br><br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for compressor seals or no alternate has been requested.<br><br>Complying with § 115.352(1) = Compressor seals are complying with the requirements in 30 TAC § 115.352(1).<br><br>Hydrogen Content to Exceed 50% by Volume = Compressors are in hydrogen service and the hydrogen content can be reasonably expected to always exceed 50% by volume.<br><br>Shaft Seal System = Compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | TVP of Process Fluid VOC <= 0.044 PSIA AT 68• ° F = Compressor seals contact a process fluid containing VOC having a true vapor pressure less than or equal to 0.044 psia at 68 degrees Fahrenheit.<br>TVP of Process Fluid VOC > 0.044 psia at 68°F = Compressor seals contact a process fluid containing VOC having a true vapor pressure greater than 0.044 psia at 68 degrees Fahrenheit<br>Pump Seals = The fugitive unit contains pump seals.<br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternate method for demonstrating and documenting continuous compliance with an alternate control requirement or exemption criteria for pump seals or no alternate has been requested.<br>Complying with 30 TAC § 115.352(1) = Pump seals are complying with the requirements in 30 TAC § 115.352(1).<br>Shaft Seal System = Pump seals are equipped with a shaft seal system that prevents or detects emission of VOC from the seal.<br>TVP of Process Fluid VOC <= 0.044 psia at 68°F = Pump seals contact a process fluid containing VOC having a true vapor pressures less than or equal to 0.044 psia at 68 degrees Fahrenheit<br>TVP of Process Fluid VOC > 0.044 psia at 68°F = Pump seals contact a process fluid containing VOC having a true vapor pressures greater than 0.044 psia at 68 degrees Fahrenheit.<br>Components Utilizing Alternative Work Practice in § 115.358 = No components in the fugitive unit are using the alternative work practice under § 115.358. | |
| BOPFUG | 40 CFR Part 63, Subpart H | 63H | EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE<br>NON RESEARCH AND DEVELOPMENT/BATCH PROCESSES = FUGITIVE UNIT CONTAINS PROCESSES OTHER THAN RESEARCH AND DEVELOPMENT FACILITIES AND BENCH-SCALE BATCH PROCESSES<br>VACUUM SERVICE = NOT ALL OF THE EQUIPMENT IN THE FUGITIVE UNIT IS IN VACUUM SERVICE<br>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<br>AMEL = FUGITIVE UNIT SOURCE OWNER/OPERATOR IS NOT ELECTING TO COMPLY WITH AN ALTERNATIVE MEANS OF EMISSION LIMITATION (AMEL)<br>LIGHT LIQUID SERVICE (PUMPS) = COMPONENT PRESENT<br>HEAVY LIQUID SERVICE (PUMPS) = COMPONENT PRESENT<br>QIP = UNIT DOES NOT OPT TO COMPLY WITH A QUALITY IMPROVEMENT PROGRAM FOR PUMPS<br>ANY (COMPRESSORS) = COMPONENT PRESENT<br>GAS VAPOR SERVICE (PRESSURE RELIEF DEVICES) = COMPONENT PRESENT<br>LIQUID SERVICE (PRESSURE RELIEF DEVICES) = COMPONENT PRESENT | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | HEAVY LIQUID SERVICE (PRESSURE RELIEF DEVICES) = COMPONENT PRESENT<br>ANY (SAMPLING CONNECTION SYSTEMS) = COMPONENT PRESENT<br>HEAVY LIQUID SERVICE (SAMPLING CONNECTION SYSTEMS) = COMPONENT PRESENT<br>ANY (OPEN-ENDED VALVES OR LINES) = COMPONENT NOT PRESENT<br>HEAVY LIQUID SERVICE (OPEN-ENDED VALVES OR LINES) = COMPONENT NOT PRESENT<br>GAS/VAPOR OR LIGHT LIQUID SERVICE (VALVES) = COMPONENT PRESENT<br>HEAVY LIQUID SERVICE (VALVES) = COMPONENT PRESENT<br>QIP = UNIT DOES NOT OPT TO COMPLY WITH A QUALITY IMPROVEMENT PROGRAM FOR VALVES<br>GAS/VAPOR OR LIGHT LIQUID SERVICE (CONNECTORS) = COMPONENT PRESENT<br>HEAVY LIQUID SERVICE (CONNECTORS) = COMPONENT PRESENT<br>GAS/VAPOR OR LIGHT LIQUID SERVICE (AGITATORS) = COMPONENT NOT PRESENT<br>HEAVY LIQUID SERVICE (AGITATORS) = COMPONENT NOT PRESENT<br>ANY (INSTRUMENTATION SYSTEMS) = COMPONENT PRESENT<br>HEAVY LIQUID SERVICE (INSTRUMENTATION SYSTEMS = COMPONENT PRESENT<br>ANY (SURGE CONTROL VESSELS OR BOTTOMS RECEIVERS) = COMPONENT PRESENT<br>HEAVY LIQUID SERVICE (SURGE CONTROL VESSELS OR BOTTOMS RECEIVERS) = COMPONENT PRESENT<br>ANY (CLOSED VENT SYSTEMS) = COMPONENT PRESENT<br>RECOVERY OR RECAPTURE DEVICES (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT<br>ENCLOSED COMBUSTION DEVICES (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT<br>FLARES (CLOSED VENT SYSTEMS) = COMPONENT PRESENT<br>BYPASS LINES = FUGITIVE UNIT CONTAINS ANY CLOSED-VENT SYSTEMS CONTAINING BY-PASS LINES THAT COULD DIVERT A VENT STREAM AWAY FROM THE CONTROL DEVICE AND TO THE ATMOSPHERE<br>UNSAFE TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS DESIGNATED AS UNSAFE TO INSPECT<br>DIFFICULT TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS DESIGNATED AS DIFFICULT TO INSPECT<br>EMPLOYEE NUMBER = THE CORPORATION EMPLOYS 100 OR MORE PERSONS | |
| BOPFUG | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene Production. | 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** |
|---|---|---|---|---|
| | | | Equipment Type = The fugitive unit contains equipment, as defined in § 63.1101, contacting hazardous air pollutants in Tables 1 through 7 or Table 9, as appropriate. | |
| BOPXXFUG | 30 TAC Chapter 115, HRVOC Fugitive Emissions | R5780 | Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.<br>Less Than 250 Components at Site = The fugitive unit is located at a site with at least 250 fugitive components in VOC service.<br>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.<br>Pumps with Shaft Seal System = Pumps are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br>Compressors with Shaft Seal System = Compressors are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br>Agitators with Shaft Seal System = Agitators are equipped with a shaft sealing system that prevents or detects emission of VOC from the seal.<br>Process Drains = The fugitive unit contains process drains.<br>ACR = No process drains are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Process drains are complying with the requirements of § 115.781(b)(9).<br>Pressure Relief Valves = The fugitive unit contains pressure relief valves.<br>ACR = No pressure relief valves are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Pressure relief valves are complying with the requirements of § 115.781(b)(9).<br>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.<br>ACR = No open-ended valves or lines are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Open-ended valves or lines are complying with the requirements of § 115.781(b)(9).<br>Bypass Line Valves = The fugitive unit contains bypass line valves.<br>ACR = No bypass line valves are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Bypass line valves are complying with the requirements of § 115.781(b)(9).<br>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.<br>ACR = No valves (other than pressure relief, open-ended, and bypass line) are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Valves (other than pressure relief, open-ended, and bypass line) are complying with the requirements of § 115.781(b)(9).<br>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.<br>ACR = No flanges or other connectors are complying with an alternate control requirement. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Complying with § 115.781(b)(9) = Flanges or other connectors are complying with the requirements of § 115.781(b)(9).<br>Compressor Seals = The fugitive unit contains compressor seals.<br>ACR = No compressor seals are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Compressor seals are complying with the requirements of § 115.781(b)(9).<br>Pump Seals = The fugitive unit contains pump seals.<br>ACR = No pump seals are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Pump seals are complying with the requirements of § 115.781(b)(9).<br>Agitators = The fugitive unit contains agitators.<br>ACR = No agitators are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Agitators are complying with the requirements of § 115.781(b)(9).<br>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.<br>ACR = No heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, or covers and seals on VOC water separators are complying with an alternate control requirement.<br>Complying with § 115.781(b)(9) = Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, or covers and seals on VOC water separators are complying with the requirements of § 115.781(b)(9).<br>Alternative Work Practice in § 115.358 = No components are complying with the alternative work practice requirements in 30 TAC § 115.358. | |
| BOPXXFUG | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352-ALL | 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. | |
| BOPXXFUG | 40 CFR Part 60, Subpart VVa | 60VVA | Produces Chemicals = The facility produces, as an intermediate or final product, one or more of the chemicals listed in 40 CFR § 60.489a.<br>Affected Facility = The facility is an affected facility as defined in 40 CFR § 60.480a(a)(2).<br>Construction/Modification Date = After November 7, 2006.<br>Compliance Option = Choosing to comply with the provisions of 40 CFR Part 60, Subpart VVa.<br>Design Capacity = Site with a design capacity greater than or equal to 1,000 Mg/yr.<br>Facility Type = Facility does not qualify for one of the exemptions in § 60.480a(d).<br>Vapor Recovery System = Fugitive unit contains vapor recovery system.<br>EEL = No equivalent emission limitation is used for vapor recovery system. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Complying with 60.482-10a = Vapor recovery system is complying with the requirements of 60.482-10a.<br>Enclosed Combustion Device = Fugitive unit contains at least one enclosed combustion device.<br>EEL = No equivalent emission limitation is used for enclosed combustion devices.<br>Complying with 60.482-10a = Enclosed combustion devices are complying with 60.482-10a.<br>Flare = Fugitive unit contains flares.<br>EEL = No equivalent emission limitation is used for flares.<br>Complying with 60.482-10a = Flares are complying with 60.482-10a.<br>CVS = Fugitive unit contains closed vent systems.<br>EEL = No equivalent emission limitation is used for closed vent systems.<br>Complying with 60.482-10a = Closed vent system is complying with § 60.482-10a.<br>Connectors in Gas/Vapor or Light Liquid Service = Fugitive unit contains connectors in gas/vapor or light liquid service. | |
| BOPXXFUG | 40 CFR Part 60, Subpart VVa | 60VVA-A | Produces Chemicals = The facility produces, as an intermediate or final product, one or more of the chemicals listed in 40 CFR § 60.489a.<br>Affected Facility = The facility is an affected facility as defined in 40 CFR § 60.480a(a)(2).<br>Construction/Modification Date = After November 7, 2006.<br>Compliance Option = Choosing to comply with the provisions of 40 CFR Part 60, Subpart VVa.<br>Design Capacity = Site with a design capacity greater than or equal to 1,000 Mg/yr.<br>Facility Type = Facility does not qualify for one of the exemptions in § 60.480a(d).<br>Flare = Fugitive unit contains flares.<br>EEL = An equivalent emission limitation, approved by the EPA Administrator under 40 CFR § 60.480a(e), is used for flares.<br>Complying with 60.482-10a = No flares are complying with 60.482-10a. | |
| BOPXXFUG | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene Production.<br>Equipment Type = The fugitive unit contains equipment, as defined in § 63.1101, contacting hazardous air pollutants in Tables 1 through 7 or Table 9, as appropriate. | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| BOPCT | 30 TAC Chapter 115, HRVOC Cooling Towers | 115H | Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.<br>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.<br>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.<br>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Design Capacity = Design capacity to circulate 8000 gpm or greater.<br>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).<br>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).<br>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).<br>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used. | |
| BOPCT | 40 CFR Part 63, Subpart Q | 63Q | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |
| BOPCT | 40 CFR Part 63, Subpart Q | R115H | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |
| BOPCT | 40 CFR Part 63, Subpart YY | 63YY | Heat Exchange System = The cooling tower/heat exchange system is subject to the requirements of 40 CFR § 63.1100(e). | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| BOPXCT | 30 TAC Chapter 115, HRVOC Cooling Towers | 115H | Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.<br>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.<br>Modified Monitoring = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764.<br>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.<br>Design Capacity = Design capacity to circulate 8000 gpm or greater.<br>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).<br>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).<br>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).<br>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used. | |
| BOPXCT | 40 CFR Part 63, Subpart Q | 63Q | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |
| BOPXCT | 40 CFR Part 63, Subpart Q | R115H | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| BOPXCT | 40 CFR Part 63, Subpart YY | 63YY | Heat Exchange System = The cooling tower/heat exchange system is subject to the requirements of 40 CFR § 63.1100(e). | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| BOPXXCT | 30 TAC Chapter 115, HRVOC Cooling Towers | R5767-1 | 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. | |
| BOPXXCT | 30 TAC Chapter 115, HRVOC Cooling Towers | R5767-2 | Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system has an intervening cooling fluid containing less than 100 ppmw of HRVOC between the process and cooling water. | |
| BOPXXCT | 40 CFR Part 63, Subpart Q | 63Q | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994. | |
| APISEP | 40 CFR Part 63, Subpart VV | 63VV | Control = No subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR Part 63, Subpart VV for control of emissions from the separator. | |
| AD15 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| AD15 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. | |
| AD16 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| AD16 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| ANALYZ | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>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 (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director has not waived testing for identical vents. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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. | |
| ANALYZ | 30 TAC Chapter 115, Vent Gas Controls | R5127 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| AR01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| AR01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. | |
| AT01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| AT01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| BASEFUELVT | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| BDVENT | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| BLRSTACK | 30 TAC Chapter 111, Visible Emissions | R1111-2 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>Vent Source = The source of the vent is a steam generator that burns oil or a mixture of oil and gas.<br>Opacity Monitoring System = A continuous emissions monitoring system (CEMS) capable of measuring the opacity of emissions is installed in the vent in accordance with 30 TAC § 111.111(a)(1)(C).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.<br>SIP Violation = The source is able to comply with applicable PM and opacity regulations without the use of PM collection equipment and has not been found to be in violation of any visible emission standard in a State Implementation Plan. | |
| BOILERA | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| BOILERB | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| BOILERC | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| BOILERD | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CAF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CAF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CAF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CAF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CAF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CAF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CBF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CBF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CBF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| CBF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CBF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CBF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CCF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CCF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CCF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CCF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CCF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CCF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CDANALYZER | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>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 (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director has not waived testing for identical vents. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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. | |
| CDANALYZER | 30 TAC Chapter 115, Vent Gas Controls | R5127 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CDF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CDF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CDF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CDF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CDF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CDF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CEF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CEF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CEF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CEF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CEF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CEF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CFF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CFF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CFF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CFF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CFF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CFF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CGF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CGF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CGF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| CGF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CGF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CGF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CHF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CHF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CHF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CHF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CHF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CHF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CIF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| CIF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CIF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CIF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CIF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CIF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | 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** |
|---|---|---|---|---|
| CJF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CJF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CJF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CJF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CJF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CJF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| COF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| COF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| COF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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** |
|---|---|---|---|---|
| | | | Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| COF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| COF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| COF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CQF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| CQF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| CQF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>Combustion Exhaust = The vent stream is from a combustion unit exhaust and the combustion unit is not used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. | |
| CQF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| CQF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| CQF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| FLAREX-VENT | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Control Device Type = Smokeless flare | |
| FLRHDRXX | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-1 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Using executive director approved minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| FLRHDRXX | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-1A | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare.<br>Alternative Monitoring = Using alternative monitoring and testing methods approved by the executive director.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| FLRHDRXX | 30 TAC Chapter 115, Vent Gas Controls | R5121-1 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is greater than 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| FLRHDRXX | 30 TAC Chapter 115, Vent Gas Controls | R5121-1A | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is greater than 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.<br>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. | |
| GRP-XXFURN | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| GRP-XXFURN | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | 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** |
|---|---|---|---|---|
| HRSG1 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| HRSG2 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| HRSG3 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| HRSG4 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| HRSG4 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director has not waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| HRSG5 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| IBNVENT | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| KD01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| KD01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| KT01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| KT01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. | |
| KT02 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| KT02 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| KT03 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| KT03 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| KT04 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| KT04 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. | |
| LABVENT | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| MR01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| MR01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. | |
| ND08 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director has not waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| ND08 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| PRIMFL-VENT | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare | |
| RD01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD02 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD02 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD05 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD05 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD05 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD07 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD07 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD08A | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD08A | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD10 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD10 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare | |
| RD10 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD11 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD11 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD12 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD12 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| RD13 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD13 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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. | |
| RD14 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD14 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD15 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD15 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD16 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| RD16 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent is a Group 2 process vent.<br>HAP Concentration = HAP concentration is not needed to determine applicability.<br>Flow Rate = Flow rate is not needed to determine applicability.<br>Electing Control = Not electing to control the process vent to the levels required in 40 CFR § 63.113(a)(1) or (a)(2).<br>MACT TRE Index Value = TRE index value is less than 1.0 as calculated using the procedures of 40 CFR § 63.115(d).<br>Control Device = Flare | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD17 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD17 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RD22 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD22 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| RD24 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| RD24 | 40 CFR Part 63, Subpart G | 63G | Overlap = Title 40 CFR Part 63, Subpart G only<br>Group 1 = The process vent meets the definition of a Group 1 process vent.<br>Control Device = Flare<br>Halogenated = Vent stream is not halogenated.<br>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.<br>Alternate Monitoring Parameters = The EPA Administrator has not approved alternate monitoring parameters or alternate monitoring parameters are not used.<br>Continuous Monitoring = Complying with the continuous monitoring requirements of 40 CFR §§ 63.114, 63.117, and 63.118.<br>By-pass Lines = The vent system does not contain by-pass lines that can divert the vent stream from the control device. | |
| RES-LC01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| RES-PC01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| RES-VC01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| SD06 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| SD06 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| SD07 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| SD07 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| SECFL-VENT | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare | |
| UD102 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| UD102 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| UD103 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| UD103 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>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.<br>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. | |
| UD203 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| UD203 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| UE102A | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| UE102A | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| UE208 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| UE208 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>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. | |
| USP03 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| USP03 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| USP102 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| USP102 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| VE-LC-01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| VE-PC-01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br><br>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.<br><br>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.<br><br>Alternate Control Requirement = Alternate control is not used.<br><br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br><br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br><br>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.<br><br>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. | |
| VE-VC-01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br><br>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.<br><br>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.<br><br>Alternate Control Requirement = Alternate control is not used.<br><br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br><br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br><br>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.<br><br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| VOCSYSTMXX | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-2 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| VOCSYSTMXX | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is greater than 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10 | |
| VOCSYSTMXX | 30 TAC Chapter 115, Vent Gas Controls | R5121-3 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is greater than 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.<br>Alternate Control Requirement = Alternate control is not used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10 | |
| XAF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XAF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XAF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum | |

| 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. | |
| XAF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XAF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XAF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XBF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XBF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XBF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XBF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XBF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XBF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | 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** |
|---|---|---|---|---|
| XCF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XCF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XCF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XCF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XCF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XCF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XDF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XDF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XDF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XDF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XDF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XDF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XEF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XEF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XEF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XEF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | 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** |
|---|---|---|---|---|
| XEF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XEF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XFF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XFF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XFF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XFF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XFF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XFF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XFUELVT | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| XGF01 | 30 TAC Chapter 111, Visible Emissions | R1111-1 | Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.<br>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.<br>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).<br>Construction Date = After January 31, 1972<br>Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute. | |
| XGF01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Exempt Date = The vent gas stream is not exempt.<br>Vent Gas Stream Control = Vent gas stream is uncontrolled.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Testing procedures specified in § 115.125 were conducted prior to December 31, 2004, and they are being used in lieu of conducting new tests. | |
| XGF01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration = VOC concentration is less than 612 ppmv.<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XGF01 | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XGF01-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XGF01-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XKT01 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XKT01 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XLC01-RES | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| XLC01-VE | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| XLD09A | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XLD09A | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XLD09B | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XLD09B | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XMD17A | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XMD17A | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XMD17B | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XMD17B | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XMD17C | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XMD17C | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XMD17D | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| XMD17D | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XVC01-RES | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| XVC01-VE | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>Flow Rate or VOC Concentration = Flow rate is less than 0.011 scm/min or the VOC concentration is less than 500 ppmv.<br>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.<br>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. | |
| XXAB-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XXAB-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XXCD-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XXCD-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XXEF-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XXEF-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XXFUELVT | 30 TAC Chapter 115, HRVOC Vent Gas | R5720-2 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| XXGH-DEC | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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** |
|---|---|---|---|---|
| | | | 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.<br>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.<br>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).<br>VOC Concentration or Emission Rate at Maximum Operating 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. | |
| XXGH-DEC | 40 CFR Part 63, Subpart YY | 63YY | Source Type = Ethylene production | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| XZD05 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| XZD05 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>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. | |
| XZD06 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| XZD06 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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 | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices. | |
| XZD08 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| XZD08 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XZD09 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a control device other than a flare.<br>Alternative Monitoring = Not using alternative monitoring and testing methods.<br>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.<br>Process Knowledge = Testing using the specified appropriate reference methods and procedures are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.<br>Waived Testing = The executive director waived testing for identical vents.<br>Testing Requirements = Meeting § 115.725(a). | |
| XZD09 | 30 TAC Chapter 115, Vent Gas Controls | R5121-1 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| XZD09 | 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.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10 | |
| ZD02 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| ZD02 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| ZD10 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| ZD10 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| ZD23 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| ZD23 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>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. | |
| ZD32 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| ZD32 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| ZD34 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| ZD34 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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.<br>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.<br>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. | |
| ZSP26 | 30 TAC Chapter 115, HRVOC Vent Gas | R5720 | HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.<br>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).<br>Vent Gas Stream Control = Vent gas stream is controlled by a flare. | |
| ZSP26 | 30 TAC Chapter 115, Vent Gas Controls | R5121 | 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.<br>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.<br>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.<br>Alternate Control Requirement = Alternate control is not used.<br>Control Device Type = Smokeless flare<br>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.<br>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. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 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.<br>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. | |
| DEGREASE RB | 30 TAC Chapter 115, Degreasing Processes | R5412 | Solvent Degreasing Machine Type = Cold solvent cleaning machine.<br>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.<br>Solvent Sprayed = A solvent is sprayed.<br>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.<br>Solvent Heated = The solvent is not heated to a temperature greater than 120 degrees Fahrenheit<br>Parts Larger than Drainage = No cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.<br>Drainage Area = Area is less than 16 square inches.<br>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers. | |
| LT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| LT02 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| LT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| LT04 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| LT05 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| MT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| MT02 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| MT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| MT04 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| NT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| NT02 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| NT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| PT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| RT01B | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT02 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| RT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT04 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT05 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT06 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT07 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT08 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| RT09 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| TT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| TT02 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| TT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| TT04 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| TT05 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| UT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| UT02 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| UT102 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = On or before December 30, 1983. | |
| UT301 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN.<br>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3). | |
| UT302UD201 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Two or more distillation units discharging vent stream into a common vapor recovery system.<br>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).<br>Total Design Capacity = 1 gigagram per year or greater.<br>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.<br>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.<br>TOC Reduction = Compliance is achieved through use of a flare or recovery device.<br>Subpart NNN Control Device = Flare. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| XKT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = A single distillation unit discharging vent stream into a vapor recovery system.<br>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).<br>Total Design Capacity = 1 gigagram per year or greater.<br>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.<br>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.<br>TOC Reduction = Compliance is achieved through use of a flare or recovery device.<br>Subpart NNN Control Device = Flare. | |
| XMT01 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| XMT03 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| XMT04 | 40 CFR Part 60, Subpart NNN | 60NNN | Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.<br>Construction/Modification Date = After December 30, 1983.<br>Vent Type = Vent is not regulated by Subpart NNN. | |
| PRO-BOPALL | 30 TAC Chapter 115, Surface Coating Operations | R5421 | 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).<br>Facility Operations = Other miscellaneous metal parts and products coating.<br>Maintenance Shop = Recoating used miscellaneous metal parts and products at an on-site maintenance shop that began operations before January 1, 2012.<br>VOC Emission Rate = Total coating and solvent usage for all surface coating operations on a property is less than or equal to 150 gal/12-month period. | |
| APISEP | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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).<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| GRP-BNWW1 | 30 TAC Chapter 115, Industrial Wastewater | R5142-CARB | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Carbon adsorber.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| GRP-BNWW1 | 30 TAC Chapter 115, Industrial Wastewater | R5142-FURN | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Enclosed non-catalytic combustion device.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| LT06A | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | 90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Steam stripper.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| PROCSEWER | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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).<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XPROCSEWER | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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).<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZA06 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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).<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZA07 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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).<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZD06 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Control device other than a carbon adsorber, condenser, catalytic incinerator, enclosed non-catalytic combustion device, flare, steam stripper or vapor combustor.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZD08 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Control device other than a carbon adsorber, condenser, catalytic incinerator, enclosed non-catalytic combustion device, flare, steam stripper or vapor combustor.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZD13 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Enclosed non-catalytic combustion device. | |
| XZL06 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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). | |
| XZL07 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Carbon adsorber.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZL08 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>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). | |
| XZTK01 | 30 TAC Chapter 115, Industrial Wastewater | 115.142-CARB | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Carbon adsorber.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZTK01 | 30 TAC Chapter 115, Industrial Wastewater | 115.142-ENCLNC | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Control Devices = Enclosed non-catalytic combustion device.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZTK02 | 30 TAC Chapter 115, Industrial Wastewater | 115.142-CARB | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Carbon adsorber.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZTK02 | 30 TAC Chapter 115, Industrial Wastewater | 115.142-ENCLNC | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit.<br>Roof or Seal Type = The wastewater component does not have a floating roof or internal floating roof.<br>Control Devices = Enclosed non-catalytic combustion device.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| XZTK06 | 30 TAC Chapter 115, Industrial Wastewater | R5142 | Petroleum Refinery = The affected source category is not a petroleum refinery.<br>Alternate Control Requirement = An alternate control requirement (ACR) or exemption criteria in accordance with 30 TAC § 115.910 is not used.<br>90% Overall Control Option = The unit is complying with the control requirements of 30 TAC § 115.142.<br>Safety Hazard Exemption = No safety hazard exemption has been requested or none has been approved.<br>Wastewater Component Type = The component is not a wet weather retention basin, exempted by §115.147(2), not a biotreatment unit. | |

| 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.<br>Monitoring Type = The monitoring requirements of 30 TAC §§ 115.144(3)(A) - (H) are being used. | |
| MR03A | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| MR03B | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| MR03C | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| MR03D | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| MR04 | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| MR05 | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| NR01A | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| NR01B | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| NR02 | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| UR01A | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| UR01B | 40 CFR Part 60, Subpart RRR | 60RRR | 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.<br>Construction/Modification Date = On or before June 29, 1990. | |
| XZR01 | 40 CFR Part 60, Subpart RRR | 60RRR | Chemicals Listed in 40 CFR § 60.707 = The affected facility is not part of a process unit that produces chemicals listed in 40 CFR § 60.707 as a product, co-product, by product, or intermediate. | |
| BOPICEXS1 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5461-3 | Exemptions = The process or operation that the solvent cleaning operation is associated with is subject to another division of Chapter 115. | |
| BOPICEXS2 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5461-4 | Exemptions = The operation, process, or equipment is one which is specified in 115.461(d)(1)-(17). | |
| BOPICEXS3 | 30 TAC Chapter 115, Subchapter E, Division 6 | R5461-5 | Exemptions = Cleaning solvents are supplied in aerosol cans and the property where the solvent cleaning operation takes place has a total use of less than 160 fluid ounces per day. | |
| BOPICSPROA | 30 TAC Chapter 115, Subchapter E, Division 6 | R5463-6 | Exemptions = No exemption is being met.<br>Alternate Control Requirement = Alternate control not used.<br>Compliance Demonstration = Limiting VOC content of the cleaning solution to 0.42 lb VOC/gal of solution, as applied.<br>Minor Modification = Using the methods in §115.468(a)(1)-(3). | |
| BOPICSPROB | 30 TAC Chapter 115, Subchapter E, Division 6 | R5463-7 | Exemptions = No exemption is being met.<br>Alternate Control Requirement = Alternate control not used.<br>Compliance Demonstration = Limiting the composite partial vapor pressure of the cleaning solution to 8.0 millimeters of mercury at 20 degrees Celsius (68 degrees Fahrenheit).<br>Minor Modification = Using the methods in §115.468(a)(1)-(3). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| DEGREASE RB | 30 TAC Chapter 115, Subchapter E, Division 6 | R5461-2 | Exemptions = The solvent cleaning operation is subject to another division of Chapter 115 and VOC emissions are controlled in accordance with that division. | |
| PRO-BIOX | 40 CFR Part 61, Subpart FF | 61FF-1 | AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.<br>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).<br>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.<br>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).<br>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.<br>Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration.<br>Treatment Stream Unit Exempt = There are units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).<br>Openings = The treatment process or wastewater treatment system unit has openings.<br>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.<br>Closed-Vent System and Control Device = A closed-vent system and control device is not used. | |
| PRO-LT06 | 40 CFR Part 61, Subpart FF | 61FF | AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.<br>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).<br>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.<br>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.<br>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).<br>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.<br>Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration.<br>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).<br>Openings = The treatment process or wastewater treatment system unit has openings. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Fuel Gas System = All gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system. | |
| PRO-WAOXX | 40 CFR Part 61, Subpart FF | 61FF-4 | AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.<br>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).<br>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.<br>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.<br>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).<br>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.<br>Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration.<br>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).<br>Openings = The treatment process or wastewater treatment system unit has openings.<br>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.<br>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.<br>Closed-Vent System and Control Device = A closed-vent system and control device is used.<br>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.<br>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.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device.<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced on indication of breakthrough. | |
| PRO-WAOXX | 40 CFR Part 61, Subpart FF | 61FF-5 | AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.<br>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e). | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.<br>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.<br>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).<br>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.<br>Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration.<br>Openings = The treatment process or wastewater treatment system unit has openings.<br>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.<br>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.<br>Closed-Vent System and Control Device = A closed-vent system and control device is used.<br>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.<br>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.<br>Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C.<br>Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested. | |
| PRO-ZIMPRO | 40 CFR Part 61, Subpart FF | 61FF-CRBCN | AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.<br>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).<br>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.<br>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.<br>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).<br>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.<br>Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| | | | Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).<br>Openings = The treatment process or wastewater treatment system unit has openings.<br>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.<br>Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure.<br>Closed-Vent System and Control Device = A closed-vent system and control device is used.<br>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.<br>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.<br>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device.<br>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.<br>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced on indication of breakthrough. | |
| PRO-ZIMPRO | 40 CFR Part 61, Subpart FF | 61FF-FURN | AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.<br>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).<br>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.<br>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.<br>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).<br>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.<br>Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration.<br>Treatment Stream Unit Exempt = There are not units in the wastewater treatment system that are exempt according to 40 CFR § 61.348(b)(2).<br>Openings = The treatment process or wastewater treatment system unit has openings.<br>Fuel Gas System = All gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system. | |

| Unit ID | Regulation | Index Number | Basis of Determination* | Changes and Exceptions to DSS** |
|---|---|---|---|---|
| PRO-BDUNIT | 40 CFR Part 63, Subpart F | 63F | 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).<br>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.<br>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.<br>Heat Exchange System = A heat exchange system is utilized.<br>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.<br>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.<br>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.<br>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.<br>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).<br>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.<br>Cooling Water Monitored = The cooling water is not being monitored for the presence of one or more HAPs or other representative substances whose presence in cooling water indicates a leak. | |
| PRO-IBNUNIT | 40 CFR Part 63, Subpart F | 63F | Applicable Chemicals = The chemical manufacturing process unit does not manufacture, 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). | |

* - 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

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

**New Source Review Authorization References**

| | |
|---|---|
| **Prevention of Significant Deterioration (PSD) Permits** | |
| PSD Permit No.: PSDTX302M2 | Issuance Date: 08/25/2022 |
| **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.** | |
| Authorization No.: 3452 | Issuance Date: 08/25/2022 |
| Authorization No.: 53401 | Issuance Date: 07/28/2021 |
| Authorization No.: 79047 | Issuance Date: 12/22/2015 |
| Authorization No.: 80283 | Issuance Date: 06/20/2016 |
| Authorization No.: 89698 | Issuance Date: 02/07/2019 |
| Authorization No.: 102982 | Issuance Date: 01/31/2022 |
| Authorization No.: 123435 | Issuance Date: 10/06/2014 |
| Authorization No.: 131869 | Issuance Date: 10/13/2021 |
| Authorization No.: 154040 | Issuance Date: 10/29/2018 |
| Authorization No.: 169356 | Issuance Date: 07/13/2022 |
| Authorization No.: PAL6 | Issuance Date: 08/25/2022 |
| **Permits by Rule (30 TAC Chapter 106) for the Application Area** | |
| Number: 106.122 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 09/04/2000 |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 09/04/2000 |
| Number: 106.262 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.371 | Version No./Date: 09/04/2000 |
| Number: 106.454 | Version No./Date: 11/01/2001 |
| Number: 106.473 | Version No./Date: 09/04/2000 |
| Number: 106.475 | Version No./Date: 09/04/2000 |
| Number: 106.476 | Version No./Date: 09/04/2000 |
| Number: 106.478 | 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: 118 | Version No./Date: 05/12/1981 |

**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 29. 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.: FLAREX-VENT | |
| Control Device ID No.: FLAREX | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: Loss of pilot flame | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: FLRHDRXX | |
| Control Device ID No.: FLAREXX1 | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-1 |
| Pollutant: VOC | Main Standard: § 115.122(a)(2) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: Loss of pilot flame. | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: FLRHDRXX | |
| Control Device ID No.: FLAREXX1 | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-1A |
| Pollutant: VOC | Main Standard: § 115.123(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: Loss of pilot flame. | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: PRIMFL-VENT | |
| Control Device ID No.: PRIMFL | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: Loss of pilot flame | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: SECFL-VENT | |
| Control Device ID No.: SECFL | Control Device Type: Flare |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: Loss of pilot flame | |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: VOCSYSTMXX | |
| Control Device ID No.: XXAF01-ST | Control Device Type: Steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts) |
| Control Device ID No.: XXBF01-ST | Control Device Type: steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts) |
| Control Device ID No.: XXCF01-ST | Control Device Type: steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts) |
| **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: All periods of operation of the steam generating units or process heater that are not recorded. | |
| Basis of CAM: 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 ºC 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: VOCSYSTMXX | |
| Control Device ID No.: CRBADS | Control Device Type: Carbon adsorption system (non-regenerative) |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-3 |
| Pollutant: VOC | Main Standard: § 115.122(a)(1) |
| **Monitoring Information** | |
| Indicator: VOC Concentration | |
| Minimum Frequency: once per day, during times when VOCSYSTMXX is venting to carbon adsorption. | |
| Averaging Period: n/a* | |
| Deviation Limit: During times when VOCSYSTMXX is venting to carbon adsorption, a VOC concentration at the outlet of the last or final polishing canister in the series of canisters at or exceeding 100 ppmv above background. | |
| Basis of CAM: A common way to monitor a non-regenerative carbon adsorption system is by measuring the outlet VOC concentration with a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. An increase in VOC concentration demonstrates when the carbon canister needs to be replaced. This indicator is consistent with the EPA “CAM Technical Guidance Document” (August 1998) and “Periodic Monitoring Technical Reference Guidance Document” (April 1999). Outlet VOC concentration has been used as an indicator of VOC emissions in many federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, and RRR; 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** | |
|---|---|
| ID No.: BOILERA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1A |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBTU | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: BOILERA | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1B |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBTU | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: BOILERB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1A |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBT | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: BOILERB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1B |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBT | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: BOILERC | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1A |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBTU | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: BOILERC | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1B |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBTU | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| **Unit/Group/Process Information** | |
|---|---|
| ID No.: BOILERD | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1A |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBTU | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: BOILERD | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 40 CFR Part 60, Subpart D | SOP Index No.: 60D-1B |
| Pollutant: $NO_X$ | Main Standard: § 60.44(a)(1) |
| **Monitoring Information** | |
| Indicator: CEMS | |
| Minimum Frequency: Continuous | |
| Averaging Period: Monthly | |
| Deviation Limit: 0.2 lb/MMBTU | |
| Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer or NOx CEMS/PEMS to measure NOx concentration with procedures such as EPA Test Method 7. 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. Additionally, measuring the NOx concentration is provided as a monitoring option for any control device because an increase in NOx concentration may be indicative of the control device performance. Outlet NOx concentration has been used as an indicator in many federal and state rules | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CAF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15 % Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CBF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CCF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CDF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CEF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CFF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CGF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CHF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CIF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CJF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: COF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: CQF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: DEGREASERB | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Degreasing Processes | SOP Index No.: R5412 |
| Pollutant: VOC | Main Standard: § 115.412(1) |
| **Monitoring Information** | |
| Indicator: Visual Inspection | |
| Minimum Frequency: Monthly | |
| Averaging Period: n/a | |
| Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1)(A)-(F) shall be considered and reported as a deviation | |
| Basis of monitoring: Maintaining monthly records of the cold solvent cleaner equipment inspections is an effective way to ensure that the system is operating in accordance with its design. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: GRP-XXFURN | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity. | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: HRSG1 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: HRSG2 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: HRSG3 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: HRSG4 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: HRSG5 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: > 15% Opacity | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: MTK01 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: R5112-2 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| **Monitoring Information** | |
| Indicator: Liquid Level | |
| Minimum Frequency: At the end of each unloading operation | |
| Averaging Period: n/a | |
| Deviation Limit: Liquid Level | |
| Basis of monitoring: 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 | |
|---|---|
| ID No.: MTK01 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| **Applicable Regulatory Requirement** | |
| Name: 30 TAC Chapter 115, Storage of VOCs | SOP Index No.: R5112-2 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| **Monitoring Information** | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: Emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: Structural Integrity of the Pipe | |
| Basis of monitoring: 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 | |
|---|---|
| ID No.: XAF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XBF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XCF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XDF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XEF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XFF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XGF01 | |
| 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)(C) |
| **Monitoring Information** | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: Opacity > 15% | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: XZD09 | |
| Control Device ID No.: FLAREX | Control Device Type: Flare |
| **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: Pilot Flame | |
| Minimum Frequency: Continuous | |
| Averaging Period: n/a | |
| Deviation Limit: All pilot flames out simultaneously shall be reported as a deviation. This limit does not apply when the regulated pollutant is not venting to the flare. | |
| Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: ZTK05 | |
| 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-4 |
| 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 indicating defects in the roof or seals have not been repaired within the repair period specified or the storage vessel has not been emptied within the repair period specified shall be considered and reported as a deviation. | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: ZTK06 | |
| 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-4 |
| 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 indicating defects in the roof or seals have not been repaired within the repair period specified or the storage vessel has not been emptied within the repair period specified shall be considered and reported as a deviation. | |
| Basis of monitoring: 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. | |

| Unit/Group/Process Information | |
|---|---|
| ID No.: ZTK07 | |
| 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-4 |
| 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 indicating defects in the roof or seals have not been repaired within the repair period specified or the storage vessel has not been emptied within the repair period specified shall be considered and reported as a deviation. | |
| Basis of monitoring: 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. | |

**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

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

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

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

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

**Compliance Review**

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on November 23, 2022.
   Site rating: 8.30 / Satisfactory Company rating: 4.42 / 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