

# Statement of Basis of the Federal Operating Permit

Indorama Ventures Oxides LLC

Site Name: Port Neches Operations  
Area Name: A3 Unit / R&S Area / Utilities Area  
Physical Location: 2701 Spur 136  
Nearest City: Port Neches  
County: Jefferson

Permit Number: O2288  
Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 32511  
NAICS Name: Petrochemical Manufacturing

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

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

Prepared on: April 8, 2026

# Operating Permit Basis of Determination

## Permit Area Process Description

The A3 Unit manufactures ethylene and propylene. Raw materials, primarily ethane and propane, and steam enter nine cracking furnaces. The cracked gas is then compressed and sent to the recovery section. In the recovery section, the material is processed in a series of distillation columns to separate the materials into the products, which are ethylene, propylene, residue gas, C4s, and aromatic distillate. The residue gas is used as fuel gas for the furnaces, heaters, and boilers. The C4s are stored in floating roof tanks which are routed to the C4 facility for further processing. The aromatic distillate is separated and stored for further processing. Unreacted ethane and propane are recycled back to the cracking furnaces.

## 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: O1320, O2286, O2287, O3056

## Major Source Pollutants

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

Major Pollutants	VOC, SO <sub>2</sub> , NO <sub>x</sub> , HAPS, CO
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## 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) which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirements Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

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

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

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

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

## 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 <sub>2</sub> Trading Program)	No

### Basis for Applying Permit Shields

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

### Insignificant Activities and Emission Units

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

#### De Minimis Sources

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

#### Miscellaneous Sources

2. Office activities such as photocopying, blueprint copying, and photographic processes.
3. Outdoor barbecue pits, campfires, and fireplaces.
4. Storage and handling of sealed portable containers, cylinders, or sealed drums.

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

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

15. Sources authorized by §106.102: Combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil.
16. Sources authorized by §106.122: Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
17. Sources authorized by §106.141: Batch mixers with rated capacity of 27 cubic feet or less for mixing cement, sand, aggregate, lime, gypsum, additives, and/or water to produce concrete, grout, stucco, mortar, or other similar products.
18. Sources authorized by §106.143: Wet sand and gravel production facilities that obtain material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and have a production rate of 500 tons per hour or less.
19. Sources authorized by §106.148: Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations.
20. Sources authorized by §106.149: Sand and gravel production facilities that obtain material from deposits of sand and gravel consisting of natural disintegration of rock and stone, provided that crushing or breaking operations are not used and no blasting is conducted to obtain the material.
21. Sources authorized by §106.161: Animal feeding operations which confine animals in numbers specified and any associated on-site feed handling and/or feed millings operations, not including caged laying and caged pullet operations.
22. Sources authorized by §106.162: Livestock auction sales facilities.
23. Sources authorized by §106.163: All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities, other than incineration units.
24. Sources authorized by §106.229: Equipment used exclusively for the dyeing or stripping of textiles.
25. Sources authorized by §106.241: Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration.
26. Sources authorized by §106.242: Equipment used in eating establishments for the purpose of preparing food for human consumption.
27. Sources authorized by §106.243: Smokehouses in which the maximum horizontal inside cross-sectional area does not exceed 100 square feet.
28. Sources authorized by §106.244: Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption.
29. Sources authorized by §106.266: Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes.
30. Sources authorized by §106.301: Aqueous fertilizer storage tanks.

31. Sources authorized by §106.313: All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
32. Sources authorized by §106.316: Equipment used for inspection of metal products.
33. Sources authorized by §106.317: Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
34. Sources authorized by §106.318: Die casting machines.
35. Sources authorized by §106.319: Foundry sand mold forming equipment to which no heat is applied.
36. Sources authorized by §106.331: Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets.
37. Sources authorized by §106.333: Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives.
38. Sources authorized by §106.372: Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
39. Sources authorized by §106.391: Presses used for the curing of rubber products and plastic products.
40. Sources authorized by §106.394: Equipment used for compression molding and injection molding of plastics.
41. Sources authorized by §106.414: Equipment used exclusively for the packaging of lubricants or greases.
42. Sources authorized by §106.415: Laundry dryers, extractors, and tumblers used for fabrics cleaned with water solutions of bleach or detergents.
43. Sources authorized by §106.431: Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form.
44. Sources authorized by §106.432: Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents.
45. Sources authorized by §106.451: Blast cleaning equipment using a suspension of abrasives in water.
46. Sources authorized by §106.453: Equipment used for washing or drying products fabricated from metal or glass, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
47. Sources authorized by §106.471: Equipment used exclusively to store or hold dry natural gas.
48. Sources authorized by §106.531: Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities.

### **Determination of Applicable Requirements**

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at [www.tceq.texas.gov/permitting/air/nav/air\\_all\\_ua\\_forms.html](http://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html).

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

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

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

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

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

#### Operational Flexibility

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

### Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPUTIC1	30 TAC Chapter 117, Subchapter B	117-EXEMPT	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = After June 9, 1993 and before the final compliance date specified in 30 TAC §§ 117.9000, 117.9010 or 117.9020</p> <p>Functionally Identical Replacement = Unit is not a functionally identical replacement</p>	
GRPUTIC1	30 TAC Chapter 117, Subchapter B	R7ICI-201	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, or directly and exclusively in agricultural operations</p>	
GRPUTIC1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
P-Q-108	30 TAC Chapter 117, Subchapter B	117-EMERG	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>	
P-Q-108	30 TAC Chapter 117, Subchapter B	R7ICI-201	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, or directly and exclusively in agricultural operations</p>	
P-Q-108	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
PU-11	30 TAC Chapter 117, Subchapter B	117-EMERG	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>	
PU-11	30 TAC Chapter 117, Subchapter B	R7ICI-201	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, or directly and exclusively in agricultural operations</p>	
PU-11	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
R-CC-4	30 TAC Chapter 117, Subchapter B	117-EMERG	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>	
R-CC-4	30 TAC Chapter 117, Subchapter B	R7ICI-201	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, or directly and exclusively in agricultural operations</p>	
R-CC-4	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
R-S-42	30 TAC Chapter 117, Subchapter B	117-EMERG	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>	
R-S-42	30 TAC Chapter 117, Subchapter B	R7ICI-201	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, or directly and exclusively in agricultural operations</p>	
R-S-42	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>	
R-S-53	30 TAC Chapter 117, Subchapter B	117-EMERG	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>	
R-S-53	30 TAC Chapter 117, Subchapter B	R7ICI-201	<p>Horsepower Rating = HP is greater than or equal to 300</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Type of Service = Used in research and testing, performance verification testing, solely to power other engines or turbines during startup, or directly and exclusively in agricultural operations</p>	
R-S-53	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-EX	<p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>	
A3TA329	30 TAC Chapter 115, Storage of VOCs	R5112-020	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
A3TA329	40 CFR Part 60, Subpart Kb	60Kb-4	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 19,813 gallons but less than 39,890 gallons (capacity is greater than 75,000 liters but less than or equal to 151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia</p>	
A3TA339	30 TAC Chapter 115, Storage of VOCs	R5112-005	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>	
A3TA346	30 TAC Chapter 115, Storage of VOCs	R5112-027	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
FDU-1	30 TAC Chapter 115, Storage of VOCs	R5112-00a	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
GRPUTTK1	30 TAC Chapter 115, Storage of VOCs	R5112-00a	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank does not require emission controls</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
RSET010	30 TAC Chapter 115, Storage of VOCs	R5112-062	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor recovery unit</p>	
RSET010	40 CFR Part 63, Subpart G	63GT-036	<p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G.</p> <p>Hard Piping = The closed vent system is constructed of ductwork.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Control device other than a flare, thermal incinerator, boiler, process heater, enclosed combustion device meeting residence time and temperature requirements, carbon adsorber, condenser or hazardous waste incinerator.</p> <p>Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%.</p> <p>Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
RSET0126	30 TAC Chapter 115, Storage of VOCs	R5112-050	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
RSET0126	30 TAC Chapter 115, Storage of VOCs	R5112-052	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	
RSET0126	30 TAC Chapter 115, Storage of VOCs	R5112-055	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor recovery unit</p>	
RSET0126	40 CFR Part 61, Subpart FF	61FF-T02a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Control Device Type/Operation = Flare</p>	
RSET0126	40 CFR Part 61, Subpart FF	61FF-T03a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device.</p> <p>Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device</p> <p>Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation.</p> <p>Alternate Monitoring Parameters = Alternate monitoring parameters not requested</p> <p>Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough.</p>	
RSET0126	40 CFR Part 63, Subpart YY	63YY-T	<p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>	
RSET0127	30 TAC Chapter 115, Storage of VOCs	R5112-050	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
RSET0127	30 TAC Chapter 115, Storage of VOCs	R5112-052	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	
RSET0127	40 CFR Part 61, Subpart FF	61FF-T02a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Control Device Type/Operation = Flare</p>	
RSET0127	40 CFR Part 63, Subpart YY	63YY-T	<p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>	
RSET0180	30 TAC Chapter 115, Storage of VOCs	R5112-062	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor recovery unit</p>	
RSET0180	40 CFR Part 63, Subpart G	63GT-036	<p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G.</p> <p>Hard Piping = The closed vent system is constructed of ductwork.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Control device other than a flare, thermal incinerator, boiler, process heater, enclosed combustion device meeting residence time and temperature requirements, carbon adsorber, condenser or hazardous waste incinerator.</p> <p>Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%.</p> <p>Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e).</p>	
RSET0204	30 TAC Chapter 115, Storage of VOCs	R5112-062	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor recovery unit</p>	
RSET0204	40 CFR Part 63, Subpart G	63GT-036	<p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G.</p> <p>Hard Piping = The closed vent system is constructed of ductwork.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Control device other than a flare, thermal incinerator, boiler, process heater, enclosed combustion device meeting residence time and temperature requirements, carbon adsorber, condenser or hazardous waste incinerator.</p> <p>Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%.</p> <p>Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
RSET030	30 TAC Chapter 115, Storage of VOCs	R5112-062	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe and vapor recovery system</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Other vapor recovery unit</p>	
RSET030	40 CFR Part 63, Subpart G	63GT-036	<p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is greater than or equal to 11.11 psi (76.6 kPa)</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p> <p>Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G.</p> <p>Hard Piping = The closed vent system is constructed of ductwork.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Control Device Type = Control device other than a flare, thermal incinerator, boiler, process heater, enclosed combustion device meeting residence time and temperature requirements, carbon adsorber, condenser or hazardous waste incinerator.</p> <p>Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%.</p> <p>Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e).</p>	
RSET039	30 TAC Chapter 115, Storage of VOCs	R5112-067	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
RSET039	40 CFR Part 60, Subpart Kb	60Kb-22	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
RSET040	30 TAC Chapter 115, Storage of VOCs	R5112-067	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
RSET040	40 CFR Part 60, Subpart Kb	60Kb-22	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia</p>	
RSET087	30 TAC Chapter 115, Storage of VOCs	R5112-052	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>	
RSET087	30 TAC Chapter 115, Storage of VOCs	R5112-069	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>	
RSET087	40 CFR Part 60, Subpart Kb	60Kb-33	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
RSET087	40 CFR Part 60, Subpart Kb	60Kb-36	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>	
RSET087	40 CFR Part 61, Subpart FF	61FF-T02a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p> <p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the by-pass line valve in the closed position.</p> <p>Control Device Type/Operation = Flare</p>	<p>-- Affected Pollutant - Benzene:</p> <p>Added Recordkeeping § 61.356(f)(2)(i)(D) for NESHAP FF as it applies to fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.</p>
RSET087	40 CFR Part 61, Subpart FF	61FF-T04a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>	
RSET087	40 CFR Part 63, Subpart YY	63YY-T	<p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>	
RSET088	30 TAC Chapter 115, Storage of VOCs	R5112-052	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Control Device Type = Flare	
RSET088	30 TAC Chapter 115, Storage of VOCs	R5112-069	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Tank Description = Tank using an internal floating roof (IFR)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p>	
RSET088	40 CFR Part 60, Subpart Kb	60Kb-33	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal</p>	
RSET088	40 CFR Part 60, Subpart Kb	60Kb-36	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,890 gallons (151,000 liters)</p> <p>WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>	
RSET088	40 CFR Part 61, Subpart FF	61FF-T02a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351.</p> <p>Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.</p> <p>Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device.</p> <p>Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system.</p> <p>Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3).</p> <p>Bypass Line = The closed vent system contains any by-pass line that could divert the vent stream away from the control device.</p>	<p>-- Affected Pollutant - Benzene:</p> <p>Added Recordkeeping § 61.356(f)(2)(i)(D) for NESHAP FF as it applies to fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Bypass Line Valve = A car-seal or lock and key configuration are used to secure the bypass line valve in the closed position.</p> <p>Control Device Type/Operation = Flare</p>	
RSET088	40 CFR Part 61, Subpart FF	61FF-T04a	<p>Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF.</p> <p>Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.</p> <p>Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1)</p> <p>Seal Type = Mechanical shoe seal</p>	
RSET088	40 CFR Part 63, Subpart YY	63YY-T	<p>Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.</p>	
RSETQ142	30 TAC Chapter 115, Storage of VOCs	R5112-003	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p>	
RRFUG	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-018	<p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p>	
RSELRTRK W	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-00c	<p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Only loading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Loading greater than or equal to 20,000 gallons per day.</p> <p>Control Options = Vapor balance system.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Chapter 115 Control Device Type = No control device. Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.	
RSELRTRK W	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-018	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure less than 0.5 psia.	
RSELRTRK W	40 CFR Part 63, Subpart G	63GL-0g2a	Transfer Rack Type = Group 2 transfer rack (as defined in 40 CFR § 63.111). Subject to Subpart BB = The transfer rack is not subject to 40 CFR Part 61, Subpart BB.	
RSELRTRK W	40 CFR Part 63, Subpart YY	63YY-L	Source Type = Ethylene production. True Vapor Pressure = The true vapor pressure of the loaded material is at least 3.4 kPa (0.5 psi). Average Volume Transferred = Volume transferred is at least 76 m <sup>3</sup> per day (20,077 gallons per day), averaged over any 30 consecutive days.	
RSELRVNT TW	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-018	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure less than 0.5 psia.	
A3HA32	30 TAC Chapter 117, Subchapter B	R7ICI-502	Unit Type = Process heater Maximum Rated Capacity = MRC is less than 40 MMBtu/hr	
A3HA33	30 TAC Chapter 117, Subchapter B	R7ICI-502	Unit Type = Process heater Maximum Rated Capacity = MRC is less than 40 MMBtu/hr	
A3HA34	30 TAC Chapter 117, Subchapter B	R7ICI-502	Unit Type = Process heater Maximum Rated Capacity = MRC is less than 40 MMBtu/hr	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPA3PH1	30 TAC Chapter 117, Subchapter B	R7ICI-503	<p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr</p> <p>RACT Date Placed in Service = On or before November 15, 1992</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas, landfill gas, or renewable non-fossil fuel gases.</p> <p>Annual Heat Input = Annual heat input is greater than 2.8 (10<sup>11</sup>) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC § 117.110(a)(2)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>30 TAC Chapter 116 Limit = NO<sub>x</sub> emission limit in 30 TAC § 117.105 is not greater than the NO<sub>x</sub> emission limit in a 30 TAC Chapter 116 permit</p> <p>NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>Common Stack Combined = Unit is not vented through a common stack, or the total rated heat input from combined units is less than 250 MMBtu/hr, or the annual combined heat input is less than 2.2 (10<sup>11</sup>) Btu/yr.</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.110(c)(1)</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>	
GRPA3PH1	40 CFR Part 63, Subpart DDDDD	63DDDDD-63YY	<p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to utilize a continuous oxygen trim system</p>	
A3HA35	30 TAC Chapter 117, Subchapter B	R7ICI-606	<p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC § 117.110(a)(1).</p> <p>NOx Emission Limit Average = Comply with the applicable emission limit in pounds/hour on a using block one-hour average.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>NO<sub>x</sub> Reductions = No NO<sub>x</sub> reduction.</p> <p>Common Stack Combined = The unit is not vented through a common stack; or the total rated heat input from combined units is less than 250 MMBtu/hr; and the annual combined heat input is 2.2(10<sup>11</sup>) Btu/yr or less.</p> <p>NO<sub>x</sub> Monitoring System = Continuous emissions monitoring system.</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.110(c)(1).</p> <p>CO Monitoring System = Continuous emissions monitoring system.</p>	
UEHK10	30 TAC Chapter 117, Subchapter B	R71CI-607	<p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p> <p>NO<sub>x</sub> Emission Limitation = Title 30 TAC § 117.110(a)(1).</p> <p>NO<sub>x</sub> Emission Limit Average = Comply with the applicable emission limit in pounds/hour on a using block one-hour average.</p> <p>NO<sub>x</sub> Reductions = No NO<sub>x</sub> reduction.</p> <p>Common Stack Combined = The unit is not vented through a common stack; or the total rated heat input from combined units is less than 250 MMBtu/hr; and the annual combined heat input is 2.2(10<sup>11</sup>) Btu/yr or less.</p> <p>NO<sub>x</sub> Monitoring System = Continuous emissions monitoring system.</p> <p>Fuel Flow Monitoring = Unit operates with a NO<sub>x</sub> and diluent CEMS and monitors stack exhaust flow per 30 TAC §§ 117.140(a)(2)(A), 117.340(a)(2)(A) or 117.440(a)(2)(A).</p> <p>CO Emission Limitation = Title 30 TAC § 117.110(c)(1).</p> <p>CO Monitoring System = Continuous emissions monitoring system.</p>	
UEHK10	40 CFR Part 60, Subpart Db	60Db-005	<p>Construction/Modification Date = Constructed on or after November 25, 1986, and on or before July 9, 1997</p> <p>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).</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>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.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Subpart Ea, Eb, AAAA, or CCCC = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>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.</p> <p>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.</p> <p>Temporary Boiler = The steam-generating unit is not a temporary boiler</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Byproduct/waste.</p> <p>Additional Applicability Requirement = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subparts J, Ja, E, or BB</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Monitoring Type PM = No particulate monitoring.</p> <p>Monitoring Type PM (Opacity) = No particulate (opacity) monitoring.</p> <p>Monitoring Type NOx = Continuous emission monitoring system.</p> <p>Monitoring Type SO2 = No SO<sub>2</sub> monitoring.</p> <p>Technology Type = No emerging or conventional technology is used to reduce or control SO<sub>2</sub> emissions</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>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<sub>x</sub> emission limit that applies specifically when the byproduct/waste is combusted.</p>	
UEHK11	30 TAC Chapter 117, Subchapter B	R7ICI-603	<p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 250 MMBtu/hr.</p> <p>RACT Date Placed in Service = After June 9, 1993, and before the final compliance date specified in 30 TAC § 117.9000.</p> <p>Functionally Identical Replacement = Unit is not a functionally identical replacement.</p>	
UEHK11	40 CFR Part 60, Subpart Db	60Db-002x	<p>Construction/Modification Date = Constructed on or after November 25, 1986, and on or before July 9, 1997</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>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</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>Subpart Ea, Eb, AAAA, or CCCC = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>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.</p> <p>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.</p> <p>Temporary Boiler = The steam-generating unit is not a temporary boiler</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Byproduct/waste.</p> <p>Subpart D = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subpart D.</p> <p>Additional Applicability Requirement = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subparts J, Ja, E, or BB</p> <p>ACF Option - SO2 = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>ACF Option - NOx = Other ACF or no ACF.</p> <p>Monitoring Type PM = No particulate monitoring.</p> <p>Monitoring Type NOx = Continuous emission monitoring system.</p> <p>Monitoring Type SO2 = No SO<sub>2</sub> monitoring.</p> <p>Technology Type = No emerging or conventional technology is used to reduce or control SO2 emissions</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>Heat Release Rate = Natural gas oil with a heat release rate greater than 70 MBtu/hr/ft<sup>3</sup>.</p>	
UEHK11	40 CFR Part 63, Subpart DDDDD	63DDDDD	<p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to utilize a continuous oxygen trim system</p>	
UEHK9	30 TAC Chapter 117, Subchapter B	R7ICI-607	<p>Unit Type = Other industrial, commercial, or institutional boiler.</p> <p>Maximum Rated Capacity = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr.</p> <p>RACT Date Placed in Service = On or before November 15, 1992.</p> <p>Fuel Type #1 = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases.</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10<sup>11</sup>) Btu/yr, based on rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC § 117.110(a)(1).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>NOx Emission Limit Average = Comply with the applicable emission limit in pounds/hour on a using block one-hour average.</p> <p>NOx Reductions = No NO<sub>x</sub> reduction.</p> <p>Common Stack Combined = The unit is not vented through a common stack; or the total rated heat input from combined units is less than 250 MMBtu/hr; and the annual combined heat input is 2.2(10<sup>11</sup>) Btu/yr or less.</p> <p>NOx Monitoring System = Continuous emissions monitoring system.</p> <p>Fuel Flow Monitoring = Unit operates with a NO<sub>x</sub> and diluent CEMS and monitors stack exhaust flow per 30 TAC §§ 117.140(a)(2)(A), 117.340(a)(2)(A) or 117.440(a)(2)(A).</p> <p>CO Emission Limitation = Title 30 TAC § 117.110(c)(1).</p> <p>CO Monitoring System = Continuous emissions monitoring system.</p>	
UEHK9	40 CFR Part 60, Subpart Db	60Db-005	<p>Construction/Modification Date = Constructed on or after November 25, 1986, and on or before July 9, 1997</p> <p>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).</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>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.</p> <p>Subpart Ea, Eb, AAAA, or CCCC = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>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.</p> <p>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.</p> <p>Temporary Boiler = The steam-generating unit is not a temporary boiler</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>D-Series Fuel Type #2 = Byproduct/waste.</p> <p>Additional Applicability Requirement = The affected facility does not meet the applicability requirements of 40 CFR Part 60, Subparts J, Ja, E, or BB</p> <p>ACF Option - SO<sub>2</sub> = Other ACF or no ACF.</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>ACF Option - NO<sub>x</sub> = Other ACF or no ACF.</p> <p>Monitoring Type PM = No particulate monitoring.</p> <p>Monitoring Type PM (Opacity) = No particulate (opacity) monitoring.</p> <p>Monitoring Type NO<sub>x</sub> = Continuous emission monitoring system.</p> <p>Monitoring Type SO<sub>2</sub> = No SO<sub>2</sub> monitoring.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Technology Type = No emerging or conventional technology is used to reduce or control SO<sub>2</sub> emissions</p> <p>Unit Type = Duct burner as part of combined cycle system (compliance on a 30-day rolling average basis determined by using a continuous emission monitoring system).</p> <p>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<sub>x</sub> emission limit that applies specifically when the byproduct/waste is combusted.</p>	
GRP-FLARE	30 TAC Chapter 111, Visible Emissions	R1111-002	<p>Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.</p> <p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Construction Date = Newest source routing emissions to the flare began construction after January 31, 1972.</p>	
GRP-FLARE	40 CFR Part 60, Subpart A	60A-003	<p>Subject to 40 CFR § 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>Adhering to Heat Content Specifications = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4)(i)-(iii) or (c)(5).</p> <p>Flare Assist Type = Steam-assisted</p> <p>Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)</p>	
GRP-FLARE	40 CFR Part 63, Subpart CC	63CC-FLARE1	<p>Flare Control Device = Flare controls a source subject to another 40 CFR Part 60, 61, or 63 subpart which allows or requires compliance with § 63.670.</p> <p>Operating Limits = Flare complies with operating parameters and values in § 63.670(d)-(f)</p> <p>Pressure Assisted = Flare is not pressure-assisted</p> <p>Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)</p> <p>Perimeter Assist Air = Flare does not receive perimeter assist air</p>	
A3CA31A	30 TAC Chapter 117, Subchapter B	R7ICI1101X	<p>Megawatt Rating = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>RACT Date Placed in Service (ICI) = On or before November 15, 1992.</p> <p>Service Type (ICI) = Stationary gas turbine</p> <p>NO<sub>x</sub> Emission Limitation (ICI) = Title 30 TAC § 117.105.</p> <p>30 TAC Chapter 116 Limit (ICI) = NO<sub>x</sub> emission limit in 30 TAC § 117.105 is not greater than the NO<sub>x</sub> emission limit in a 30 TAC Chapter 116 permit.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>NO<sub>x</sub> Reduction (ICI) = Water or steam injection</p> <p>NO<sub>x</sub> Monitoring System (ICI) = Steam to fuel or water to fuel ratio monitoring.</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Fuel Flow Monitoring = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.240(a)(1), 117.340(a) or 117.440(a)</p> <p>CO Emission Limitation = Title 30 TAC § 117.105(c).</p> <p>CO Monitoring System = Steam to fuel or water to fuel ratio monitoring.</p>	
A3CA31A	40 CFR Part 60, Subpart GG	60GG-005Y	<p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = After January 27, 1982 and before October 3, 1982.</p> <p>Turbine Cycle = Unit does not recover heat from the gas turbine exhaust to preheat inlet combustion air; or to heat water or generate steam.</p> <p>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.</p> <p>Manufacturer's Rated Base Load = Base load is less than or equal to 30 MW.</p> <p>NOx Control Method = Water or steam injection only.</p> <p>NOx Monitoring Method = Continuous emission monitoring system.</p> <p>Duct Burner = The turbine is part of a combined cycle turbine system not equipped with supplemental heat (duct burner).</p> <p>NOx Allowance = The owner or operator is not electing to use a NO<sub>x</sub> allowance in determining emission limits in 40 CFR § 60.332(a).</p> <p>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>Fuel Monitoring Schedule = Fuel meets the definition of natural gas in 40 CFR § 60.331(u) and is not monitored.</p>	
CG1	30 TAC Chapter 117, Subchapter B	R7ICI1102X	<p>Megawatt Rating = MR is greater than or equal to 30 MW.</p> <p>RACT Date Placed in Service (ICI) = On or before November 15, 1992.</p> <p>Service Type (ICI) = Stationary gas turbine</p> <p>NOx Emission Limitation (ICI) = Title 30 TAC § 117.105.</p> <p>30 TAC Chapter 116 Limit (ICI) = NO<sub>x</sub> emission limit in 30 TAC § 117.105 is greater than the NO<sub>x</sub> emission limit in a 30 TAC Chapter 116 permit.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>NOx Reduction (ICI) = No NOx reduction</p> <p>NOx Monitoring System (ICI) = Continuous emissions monitoring system.</p> <p>Fuel Flow Monitoring = Unit operates with a NOx and diluent CEMS and monitors stack exhaust flow per 30 TAC §§ 117.140(a)(2)(A), 117.240(a)(2)(A), 117.340(a)(2)(A) or 117.440(a)(2)(A)</p> <p>CO Emission Limitation = Title 30 TAC § 117.105(c).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
CG1	40 CFR Part 60, Subpart GG	60GG-006	<p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.</p> <p>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.</p> <p>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.</p> <p>Manufacturer's Rated Base Load = Base load is greater than 30 MW.</p> <p>NOx Control Method = No NO<sub>x</sub> control method is used.</p> <p>NOx Monitoring Method = Continuous emission monitoring system.</p> <p>Duct Burner = The turbine is part of a combined cycle turbine system not equipped with supplemental heat (duct burner).</p> <p>NOx Allowance = The owner or operator is not electing to use a NO<sub>x</sub> allowance in determining emission limits in 40 CFR § 60.332(a).</p> <p>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>Fuel Monitoring Schedule = Fuel meets the definition of natural gas in 40 CFR § 60.331(u) and is not monitored.</p>	
CG2	30 TAC Chapter 117, Subchapter B	R7ICI1102X	<p>Megawatt Rating = MR is greater than or equal to 30 MW.</p> <p>RACT Date Placed in Service (ICI) = On or before November 15, 1992.</p> <p>Service Type (ICI) = Stationary gas turbine</p> <p>NOx Emission Limitation (ICI) = Title 30 TAC § 117.105.</p> <p>30 TAC Chapter 116 Limit (ICI) = NO<sub>x</sub> emission limit in 30 TAC § 117.105 is greater than the NO<sub>x</sub> emission limit in a 30 TAC Chapter 116 permit.</p> <p>Averaging Method = Complying with the applicable emission limits using a block one-hour average.</p> <p>NOx Reduction (ICI) = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System (ICI) = Continuous emissions monitoring system.</p> <p>Fuel Flow Monitoring = Unit operates with a NO<sub>x</sub> and diluent CEMS and monitors stack exhaust flow per 30 TAC §§ 117.140(a)(2)(A), 117.240(a)(2)(A), 117.340(a)(2)(A) or 117.440(a)(2)(A)</p> <p>CO Emission Limitation = Title 30 TAC § 117.105(c).</p> <p>CO Monitoring System = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
CG2	40 CFR Part 60, Subpart GG	60GG-006	<p>Peak Load Heat Input = Heat Input is greater than 100 MMBtu/hr (107.2 GJ/hr)</p> <p>Construction/Modification Date = On or after October 3, 1982 and before July 8, 2004.</p> <p>Turbine Cycle = Unit recovers heat from the gas turbine exhaust to heat water or generate steam.</p> <p>Subpart GG Service Type = Type of service other than research and development, emergency, military or electrical utility generation.</p> <p>Manufacturer's Rated Base Load = Base load is greater than 30 MW.</p> <p>NOx Control Method = No NO<sub>x</sub> control method is used.</p> <p>NOx Monitoring Method = Continuous emission monitoring system.</p> <p>Duct Burner = The turbine is part of a combined cycle turbine system not equipped with supplemental heat (duct burner).</p> <p>NOx Allowance = The owner or operator is not electing to use a NO<sub>x</sub> allowance in determining emission limits in 40 CFR § 60.332(a).</p> <p>Sulfur Content = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).</p> <p>Fuel Supply = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>Fuel Monitoring Schedule = Fuel meets the definition of natural gas in 40 CFR § 60.331(u) and is not monitored.</p>	
A3FUG	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.	
A3FUG	40 CFR Part 61, Subpart V	61V-ALL	SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in benzene service subject to 40 CFR Part 61, Subpart V with no alternate control or control device.	
A3FUG	40 CFR Part 63, Subpart YY	60VV-63YY	<p>Source Type = Ethylene Production.</p> <p>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.</p>	
A3FUG	40 CFR Part 63, Subpart YY	63YY-F	<p>Source Type = Ethylene Production.</p> <p>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.</p>	
RSETFUG	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.	
RSETFUG	40 CFR Part 61, Subpart V	61V-ALL	SOP Index No. = Owner or operator assumes fugitive unit control requirements for all components in benzene service subject to 40 CFR Part 61, Subpart V with no alternate control or control device.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
RSETFUG	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.	
CT-1	40 CFR Part 63, Subpart YY	63YY-H	Heat Exchange System = The cooling tower/heat exchange system is subject to the requirements of 40 CFR § 63.1100(e).	
CT-4	40 CFR Part 63, Subpart YY	63YY-H	Heat Exchange System = The cooling tower/heat exchange system is subject to the requirements of 40 CFR § 63.1100(e).	
A3FA3103	30 TAC Chapter 115, Vent Gas Controls	R5121-3	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p> <p>Total Design Capacity = Total design capacity is greater than or equal to 1,100 tons per year for all chemicals produced within that unit.</p> <p>Flow Rate or VOC Concentration = Flow rate is greater than or equal to 0.011 scm/min or the VOC concentration is greater than or equal to 500 ppmv.</p> <p>40 CFR 60 Subpart NNN Requirements = The distillation unit vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart NNN: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p> <p>40 CFR 60 Subpart RRR Requirements = The reactor process vent gas stream satisfies neither of the following requirements of 40 CFR Part 60, Subpart RRR: TRE index value is greater than 8.0; or TRE index value is greater than 1.0 without the use of VOC emission control devices.</p>	
A3FA3205A	30 TAC Chapter 115, Vent Gas Controls	R5121-6	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
A3FA3205B	30 TAC Chapter 115, Vent Gas Controls	R5121-6	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>	
A3FA357	30 TAC Chapter 115, Vent Gas Controls	R5121-6	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>	
A3FO11	30 TAC Chapter 115, Vent Gas Controls	R5121-6	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Other vapor control/recovery system, as defined in 30 TAC § 115.10</p>	
A3FA3103	40 CFR Part 60, Subpart NNN	60NNN-047	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Construction/Modification Date = After December 30, 1983, and on or Before April 25, 2023</p> <p>Vent Type = A single distillation unit discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p>	<p>-- Affected Pollutant - VOC/TOC:</p> <p><u>Monitoring/Testing</u> - Deleted citations §60.663(c)(1) and §60.663(c)(2), applicable to Boiler or Process heats with design heat capacity less than 44MW (150 MMBtu/hr).</p> <p><u>Recordkeeping</u> - Deleted citations §60.663(c)(1), §60.663(c)(2), §60.665(b), §60.665(b)(2), §60.665(b)(2)(i), §60.665(b)(2)(ii), §60.665(c), §60.665(c)(3), §60.665(c)(4), §60.665(d), applicable</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Boiler or process heater design heat input capacity less than 44 MW (150 MMBtu/hr).</p>	<p>to Boiler or Process heats with design heat capacity less than 44MW (150 MMBtu/hr).</p> <p><u>Reporting</u> – Deleted citations §60.665(a), §60.665(b), § 60.665(b)(2), §60.665(b)(2)(i), §60.665(b)(2)(ii), §60.665(c), §60.665(c)(3), §60.665(c)(4), §60.665(k), §60.665(l), §60.665(l)(1), §60.665(l)(2), applicable to Boiler or Process heats with design heat capacity less than 44MW (150 MMBtu/hr).</p>
A3FA3103	40 CFR Part 60, Subpart NNN	60NNN-048	<p>Subpart NNN Chemicals = The distillation unit produces any chemical listed in 40 CFR § 60.667 as a product, co-product, by-product, or intermediate.</p> <p>Construction/Modification Date = After December 30, 1983, and on or Before April 25, 2023</p> <p>Vent Type = A single distillation unit discharging vent stream into a vapor recovery system.</p> <p>Distillation Unit Type = Does not qualify for any exemption under § 60.660(c)(1)-(3).</p> <p>Total Design Capacity = 1 gigagram per year or greater.</p> <p>Vent Stream Flow Rate = Flow rate greater than or equal to 0.008 scm/min.</p> <p>Total Resource Effectiveness = TRE index value less than 8.0 not from a halogenated vent stream.</p> <p>TOC Reduction = Compliance is achieved by reducing total organic compound emissions (less methane and ethane) by 98 weight-percent or to a concentration of 20 ppmv dry basis corrected to 3 percent oxygen using a VOC emissions non-flare combustion control device.</p> <p>Subpart NNN Control Device = Boiler or process heater design heat input capacity greater than or equal to 44 MW (150 MMBtu/hr).</p>	<p>-- Affected Pollutant - VOC/TOC:</p> <p><u>Monitoring/Testing</u> - Deleted citations §60.663(c), §60.663(c)(1), §60.663(c)(2), and §60.664(c), applicable to Boiler or Process heats with design heat capacity less than 44MW (150 MMBtu/hr).</p> <p><u>Recordkeeping</u> – Deleted citations §60.663(c)(1), §60.663(d), §60.665(b), §60.665(b)(2), §60.665(b)(2)(i), §60.665(c), §60.665(c)(4), §60.665(d), §60.665(e), applicable to Boiler or Process heats with design heat capacity less than 44MW (150 MMBtu/hr).</p> <p><u>Reporting</u> – Deleted citations §60.665(a), §60.665(b), § 60.665(b)(2), §60.665(b)(2)(i), §60.665(c), §60.665(c)(4), §60.665(k), §60.665(l), §60.665(l)(1), §60.665(l)(2), and §60.665(l)(3), applicable to Boiler or Process heats with design heat capacity less than 44MW (150 MMBtu/hr).</p>
A3WASTE	40 CFR Part 63, Subpart YY	63YY-W	Facility Type = Ethylene production facility	
GRPA3PH1	40 CFR Part 63, Subpart YY	63YY	Facility Type = Ethylene production facility	
PROA3WW	40 CFR Part 61, Subpart FF	61FFTP-WW1a	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.</p> <p>Continuous Monitoring = The wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation.</p> <p>Openings = The treatment process or wastewater treatment system unit has openings.</p> <p>Fuel Gas System = All gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p>	
PROA3WW	40 CFR Part 61, Subpart FF	61FFTP-WW1b	<p>AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used.</p> <p>Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e).</p> <p>Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system.</p> <p>Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis.</p> <p>Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d).</p> <p>Treatment Process Engineering Calculations = Engineering calculations show that the treatment process or wastewater treatment system unit is proven to achieve its emission limitation.</p> <p>Continuous Monitoring = The wastewater treatment system unit process parameters are continuously monitored to indicate proper system operation.</p> <p>Openings = The treatment process or wastewater treatment system unit has openings.</p> <p>Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system.</p> <p>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.</p> <p>Closed-Vent System and Control Device = A closed-vent system and control device is used.</p> <p>AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used.</p> <p>By-Pass Line = The closed-vent system contains a by-pass line that could divert the vent stream away from the control device.</p> <p>By-Pass Line Valve = A car-seal or lock and key configuration is used to secure the by-pass line valve in the closed position.</p> <p>Control Device Type/Operation = Flare.</p>	
PRORSHON	40 CFR Part 63, Subpart F	63F-002	<p>Applicable Chemicals = The chemical manufacturing process unit manufactures, as a primary product, one or more of the chemicals listed in 40 CFR § 63.100(b)(1)(i) or 40 CFR § 63.100(b)(1)(ii).</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Table 2 HAP = The chemical manufacturing process unit uses as a reactant or manufactures, as a product or co-product, one or more of the organic hazardous air pollutants in Table 2.</p> <p>Alternate Means of Emission Limitation = No alternative means of emission limitation has been approved by the EPA Administrator to achieve a reduction in organic HAP emission or no alternate has been requested.</p> <p>Heat Exchange System = No heat exchange system is utilized.</p>	

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

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

## NSR Versus Title V FOP

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

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

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

## New Source Review Requirements

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

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

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

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

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

### New Source Review Authorization References

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX780	Issuance Date: 09/23/2024
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits by Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 16909	Issuance Date: 09/23/2024
Authorization No.: 19823	Issuance Date: 03/20/2024
Authorization No.: 29516	Issuance Date: 05/31/2018
Authorization No.: 49247	Issuance Date: 06/13/2025
Authorization No.: 56390	Issuance Date: 02/15/2024
Authorization No.: 83816	Issuance Date: 11/30/2020
<b>Permits by Rule (30 TAC Chapter 106) for the Application Area</b>	
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: 106.371	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.478	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 03/14/1997
Number: 5	Version No./Date: 09/23/1982
Number: 5	Version No./Date: 03/15/1985
Number: 5	Version No./Date: 11/05/1986
Number: 5	Version No./Date: 08/30/1988
Number: 5	Version No./Date: 07/20/1992
Number: 5	Version No./Date: 10/04/1995
Number: 14	Version No./Date: 01/08/1980
Number: 14	Version No./Date: 09/12/1989
Number: 51	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 08/30/1988
Number: 51	Version No./Date: 07/20/1992

## New Source Review Authorization References

Number: 51	Version No./Date: 06/07/1996
Number: 58	Version No./Date: 01/08/1980
Number: 80	Version No./Date: 01/08/1980
Number: 86	Version No./Date: 07/20/1992

### 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 20. 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**

#### **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:

<b>Unit/Group/Process Information</b>	
ID No.: A3FA3103	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-3
Pollutant: VOC	Main Standard: § 115.122(a)(2)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA3103	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-3
Pollutant: VOC	Main Standard: § 115.122(a)(2)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA3205A	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA3205A	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA3205B	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA3205B	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA357	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: A3FA357	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

<b>Unit/Group/Process Information</b>	
ID No.: A3FO11	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: A3FO11	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

<b>Unit/Group/Process Information</b>	
ID No.: A3TA339	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Records are not kept.	
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.	

<b>Unit/Group/Process Information</b>	
ID No.: A3TA339	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Fill pipe repairs not completed prior to refilling storage vessel.	
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.	

<b>Unit/Group/Process Information</b>	
ID No.: GRPA3PH1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7ICI-503
Pollutant: CO	Main Standard: § 117.110(c)(1)
<b>Monitoring Information</b>	
Indicator: CO Concentration	
Minimum Frequency: Biennially (Every 2 years)	
Averaging Period: N/A	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv at 3.0% O <sub>2</sub> .	
Basis of monitoring: It is widely practiced and accepted to calibrate and use a portable analyzer to measure CO concentration with procedures such as EPA Test Method 10 or a CO CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. In addition, if the CO concentration is too high it shows that a control device such as a catalytic converter is not functioning properly, or an emission unit is not obtaining complete combustion.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET010	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 80 gallons per minut	
Basis of monitoring: The option to monitor the liquid flow rate, liquid supply pressure, and the flow rate and gas flow rate are provided as monitoring options because monitoring these parameters can indicate malfunctions in the liquid pumping equipment, blockage of pipes or spray nozzles.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET010	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 °F	
Basis of monitoring: The option to monitor inlet water temperature can indicate the amount of VOC from the gas stream that can be absorbed by the scrubbing liquid. As the temperature increases, the VOC solubility in the liquid and the absorption efficiency both decrease. Higher inlet water temperature could also contribute to more evaporation, reducing the amount of liquid available to absorb VOCs. Therefore, more contaminants will be absorbed at lower temperatures. Temperature is a good indicator of proper operation of the absorber.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET0126	
Control Device ID No.: RSET0126CAS	Control Device Type: Carbon adsorption system (non-regenerative)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-055
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: VOC concentration	
Minimum Frequency: Daily or 20% of design carbon replacement interval	
Averaging Period: N/A	
Deviation Limit: Canister not replaced within 4 hours of breakthrough (measured VOC concentration of 100 ppmv)	
Basis of monitoring: 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). 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.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET0180	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 80 gallons per minute	
Basis of monitoring: The option to monitor the liquid flow rate, liquid supply pressure, and the flow rate and gas flow rate are provided as monitoring options because monitoring these parameters can indicate malfunctions in the liquid pumping equipment, blockage of pipes or spray nozzles.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET0180	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 °F	
Basis of monitoring: The option to monitor inlet water temperature can indicate the amount of VOC from the gas stream that can be absorbed by the scrubbing liquid. As the temperature increases, the VOC solubility in the liquid and the absorption efficiency both decrease. Higher inlet water temperature could also contribute to more evaporation, reducing the amount of liquid available to absorb VOCs. Therefore, more contaminants will be absorbed at lower temperatures. Temperature is a good indicator of proper operation of the absorber.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET0204	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 80 gallons per minute	
Basis of monitoring: The option to monitor the liquid flow rate, liquid supply pressure, and the flow rate and gas flow rate are provided as monitoring options because monitoring these parameters can indicate malfunctions in the liquid pumping equipment, blockage of pipes or spray nozzles.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET0204	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 °F	
Basis of monitoring: The option to monitor inlet water temperature can indicate the amount of VOC from the gas stream that can be absorbed by the scrubbing liquid. As the temperature increases, the VOC solubility in the liquid and the absorption efficiency both decrease. Higher inlet water temperature could also contribute to more evaporation, reducing the amount of liquid available to absorb VOCs. Therefore, more contaminants will be absorbed at lower temperatures. Temperature is a good indicator of proper operation of the absorber.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET030	
Control Device ID No.: RSEF085	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water flow rate	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water flow rate less than 80 gallons per minute	
Basis of monitoring: The option to monitor the liquid flow rate, liquid supply pressure, and the flow rate and gas flow rate are provided as monitoring options because monitoring these parameters can indicate malfunctions in the liquid pumping equipment, blockage of pipes or spray nozzles.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET030	
Control Device ID No.: RSEFO85	Control Device Type: Absorber (direct absorption)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-062
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Scrubber water inlet temperature	
Minimum Frequency: 4 times per hour	
Averaging Period: 1 hour	
Deviation Limit: Scrubber water inlet temperature greater than 108 °F	
Basis of monitoring: The option to monitor inlet water temperature can indicate the amount of VOC from the gas stream that can be absorbed by the scrubbing liquid. As the temperature increases, the VOC solubility in the liquid and the absorption efficiency both decrease. Higher inlet water temperature could also contribute to more evaporation, reducing the amount of liquid available to absorb VOCs. Therefore, more contaminants will be absorbed at lower temperatures. Temperature is a good indicator of proper operation of the absorber.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET087	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: RSET087	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

<b>Unit/Group/Process Information</b>	
ID No.: RSET088	
Control Device ID No.: UERO44	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the VOC concentration at the outlet of a control device by use of a portable analyzer with procedures such as EPA Test Method 25A or a VOC CEMS. The measured concentration along with stack flow rate or AP-42 factors and fuel consumption records may be used to demonstrate compliance with an underlying emission limit or standard. Outlet VOC concentration has been used as an indicator of VOC emissions in many federal rules including 40 CFR Part 60, Subpart III, 40 CFR Part 60, Subpart NNN, 40 CFR Part 60, Subpart RRR, 40 CFR Part 61, Subpart BB, 40 CFR Part 61, Subpart FF, 40 CFR Part 63, Subpart R, 40 CFR Part 63, Subpart DD, and 40 CFR Part 63, Subpart HH.</p>	

<b>Unit/Group/Process Information</b>	
ID No.: RSET088	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-36
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to conduct inspections or repair any defects in vapor collection system shall be considered and reported as a deviation.	
Basis of monitoring: It is widely practiced and accepted to use work practice as a monitoring option to demonstrate compliance. Preventive maintenance and visual inspections of control equipment, as recommended by the manufacturer, conducted by the owner or operator can ensure that the unit is operating properly. The work practice requirements prescribe that preventive maintenance and/or visual inspections be performed and recorded in a log. This option assures that the owner or operator is adequately maintaining the control equipment.	

## Obtaining Permit Documents

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

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

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

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

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

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

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

Additional information concerning PBRs is available on the TCEQ website:

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

## Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on January 16, 2026.

Site rating: 10.15 / Satisfactory Company rating: 5.74 / 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