

# Statement of Basis of the Federal Operating Permit

Chevron Phillips Chemical Company, LP

Site Name: Pasadena Plastics Complex  
Physical Location: 1400 Jefferson  
Nearest City: Pasadena  
County: Harris

Permit Number: O1315  
Project Type: Renewal

The North American Industry Classification System (NAICS) Code: 325211  
NAICS Name: Plastics Material and Resin 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 29, 2026

## Operating Permit Basis of Determination

### Permit Area Process Description

Feed streams (ethylene, hexene, and isobutane) are treated and charged to the reactors. The treaters share a regeneration system that uses hot nitrogen to regenerate the treaters. Ethylene is received via pipeline. Hexene is received via pipeline or rail cars, and isobutane is received in tank trucks or railcars.

Olefin-free isobutane is used for various reactor flushes and to convey catalyst to the reactor. Catalyst Activators on site activate the catalyst in a fluidized bed with dry heated air in a batch process and sent to the plants in tote bins. Catalyst is conveyed from the tote bins to the mudpots by nitrogen; in the mudpots, the catalyst is mixed with olefin-free isobutane and charged to the reactors through ball check feeders via an agitated pre-contactor vessel.

PE Polymer is made in the pipe loop reactors as discrete particles. A circulating pump keeps the isobutane diluent, reactants and PE particles moving around the loops. The reactors are jacketed with water from a closed loop coolant system to remove the heat of polymerization. PE particles, unreacted monomers, and isobutane hydrocarbon are removed via settling legs and product take-off valves that cycle open and closed and continuous take-off valves. The reactor effluent is routed through steam jacketed lines to high and low pressure flash chambers and/or the alternate flash tank where hydrocarbon (flash gas) is separated from the polymer fluff. The final step in the separation of the polymer fluff and the flash gas takes place in the purge column. Flash gas is routed through bag filters to the flash gas compressor and/or to the distillation columns (described below) to recover diluent and unreacted monomer. Polymer fluff is routed to the finishing section where it is mixed with additives and sent to the extruder where it is melted and then fed to the pelletizer. The pellets are water cooled, dried, graded and sent to the silos for loading.

The compressed flash gas is routed to the dehexanizer column. The dehexanizer overhead is fed to the deethanizer column and the bottoms are fed to the C6 splitter column. The deethanizer overhead is routed to the flare. The deethanizer side draw is recycle isobutane and the deethanizer bottoms are olefin-free isobutane to be used as described above (flushes and catalyst slurry). The C6 splitter overhead liquid is recycle hexene; the heavies off the bottom are routed to the flare.

Isobutane and nitrogen are collected from the purge column overhead, catalyst knockout tanks, and other sources, compressed, partially condensed, and separated. The recovered isobutane is fed to the dehexanizer while the Nitrogen and residual isobutane are flared.

The propane refrigeration system and the flare system are utilities that contain flammable materials. Other utility and support systems include electric power, instrument air, nitrogen, fuel gas, cooling water, and steam.

Three flares dedicated to polyethylene (PE) production lines, i.e., PE6, PE7, and PE8 control routine and MSS emissions that occur throughout each process. If necessary to perform flare maintenance, the flares can be crossed over. Each PE production line has a dedicated cooling tower.

### FOPs at Site

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

Additional FOPs: None

### Major Source Pollutants

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

|                  |                    |
|------------------|--------------------|
| Major Pollutants | VOC, NOX, HAPS, CO |
|------------------|--------------------|

## Reading State of Texas's Federal Operating Permit

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

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

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

### General Terms and Conditions

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

### Special Terms and Conditions

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

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

## Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

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

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

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

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

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

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

## Appendix A

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

## Appendix B

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

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

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required

to be listed individually in the permit's Applicable Requirements Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

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

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

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

### Federal Regulatory Applicability Determinations

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

| Regulatory Program  | Applicability (Yes/No) |
|---|------------------------|
| Prevention of Significant Deterioration (PSD)   | Yes                    |
| Nonattainment New Source Review (NNSR)  | Yes                    |
| Minor NSR   | Yes                    |
| 40 CFR Part 60 - New Source Performance Standards                                     | Yes                    |
| 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)   | No                     |
| 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** |
|---------|----------------------------------|--------------|--|---------------------------------|
| BKPFWP  | 30 TAC Chapter 117, Subchapter B | R7300-0111   | <p>Type of Service = SRIC engine not meeting an exemption</p> <p>Fuel Fired = Petroleum-based diesel fuel</p> <p>Engine Type = Lean-burn</p> <p>ESAD Date Placed in Service = Installed, modified, reconstructed or relocated on or after October 1, 2007.</p> <p>Diesel HP Rating = Horsepower rating is 750 hp or greater.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)</p> <p>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>NOx Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.</p> <p>NOx Reduction = No NOx reduction</p> <p>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000</p> <p>Fuel Flow Monitoring = The unit is a diesel engine operating with a run time meter and using monthly fuel use records maintained for each engine per 30 TAC §§ 117.340(a)(2)(C) or 117.440(a)(2)(C)</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Averaging Method = Complying with the applicable emission limit using a 30-day rolling average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p> |                                 |
| BKPFWP  | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than 560 KW.</p> <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>  |                                 |

| Unit ID | Regulation                       | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------|----------------------------------|--------------|---|---------------------------------|
| BKPFWP  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>  |                                 |
| ENG101A | 30 TAC Chapter 117, Subchapter B | R7300-0018   | <p>Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average</p>  |                                 |
| ENG101A | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than 560 KW.</p> <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| ENG101A | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>  |                                 |
| ENG102A | 30 TAC Chapter 117, Subchapter B | R7300-0019   | <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>   |                                 |

| Unit ID  | Regulation                       | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|----------|----------------------------------|--------------|--|---------------------------------|
| ENG102A  | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-003   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>   |                                 |
| ENGADMIN | 30 TAC Chapter 117, Subchapter B | R7300-0019   | <p>Type of Service = Used exclusively in emergency situations</p> <p>Fuel Fired = Petroleum-based diesel fuel</p>  |                                 |
| ENGADMIN | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-003   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 100 HP and less than 250 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p> <p>Stationary RICE Type = Compression ignition engine</p>   |                                 |
| ENGINE2N | 30 TAC Chapter 117, Subchapter B | R117-001     | <p>Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average</p>   |                                 |
| ENGINE2N | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> |                                 |

| Unit ID  | Regulation                       | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|----------|----------------------------------|--------------|--|---------------------------------|
|          |                                  |              | <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>  |                                 |
| ENGINE2N | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>  |                                 |
| ENGINE3N | 30 TAC Chapter 117, Subchapter B | R117-001     | <p>Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average</p>   |                                 |
| ENGINE3N | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| ENGINE3N | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p>   |                                 |

| Unit ID  | Regulation                       | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|----------|----------------------------------|--------------|--|---------------------------------|
|          |                                  |              | 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).  |                                 |
| ENGINE4N | 30 TAC Chapter 117, Subchapter B | R117-001     | Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average  |                                 |
| ENGINE4N | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| ENGINE4N | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>  |                                 |
| ENGINE5N | 30 TAC Chapter 117, Subchapter B | R117-001     | Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average  |                                 |
| ENGINE5N | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.   |                                 |

| Unit ID  | Regulation                       | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|----------|----------------------------------|--------------|--|---------------------------------|
|          |                                  |              | <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p> <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> |                                 |
| ENGINE5N | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>  |                                 |
| ENGINE6N | 30 TAC Chapter 117, Subchapter B | R117-001     | <p>Type of Service = New, modified, reconstructed or relocated diesel fuel-fired engine, placed into service on or after October 1, 2001, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average</p>   |                                 |
| ENGINE6N | 40 CFR Part 60, Subpart IIII     | 60IIII-001   | <p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after 07/11/2005.</p> <p>Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement.</p> <p>Service = CI ICE is a fire-pump engine, an emergency engine certified to National Fire Protection Association requirements.</p> <p>Commencing = CI ICE was newly constructed after 07/11/2005</p> <p>Manufacture Date = Date of manufacture was after 07/01/2006.</p> <p>Diesel = Diesel fuel is used.</p> <p>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Model Year = CI ICE was manufactured in model year 2017 or later.</p>  |                                 |

| Unit ID        | Regulation                       | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|----------------|----------------------------------|--------------|--|---------------------------------|
|                |                                  |              | <p>Kilowatts = Power rating is greater than or equal to 130 KW and less than or equal to 368 KW.</p> <p>Standard = The emergency CI ICE meets the Tier 1, 2, 3, or 4 standards applicable to non-emergency engines (for the same KW and model year)</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p>   |                                 |
| ENGINE6N       | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-001   | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use where the RICE does not operate as specified in 40 CFR §63.6640(f)(2)(ii) and (iii) or does not operate as specified in 40 CFR §63.6640(f)(4)(ii).</p>  |                                 |
| ENGWTRW<br>ELL | 30 TAC Chapter 117, Subchapter B | R7300-0110   | <p>Type of Service = SRIC engine not meeting an exemption</p> <p>Fuel Fired = Fuel gas other than natural gas, landfill gas and renewable, non-fossil fuel gas</p> <p>Engine Type = Rich-burn</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(9)</p> <p>EGF System Cap Unit = Engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>NOx Reduction = Nonselective catalytic reduction</p> <p>NOx Monitoring System = Maximum emission rate testing in accordance with 30 TAC § 117.8000</p> <p>Fuel Flow Monitoring = Fuel flow is 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 § 117.310(c)(1) 400 ppmv option</p> <p>CO Averaging Method = Complying with the applicable emission limit using a block one-hour average.</p> <p>CO Monitoring System = Emissions monitored by means other than a CEMS or PEMS.</p> |                                 |
| ENGWTRW<br>ELL | 40 CFR Part 63, Subpart ZZZZ     | 63ZZZZ-0005  | <p>HAP Source = The site is a major source of hazardous air pollutants as defined in 40 CFR § 63.2</p> <p>Brake HP = Stationary RICE with a brake HP greater than or equal to 300 HP and less than or equal to 500 HP.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after December 19, 2002, but before June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>   |                                 |

| Unit ID       | Regulation                          | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------------|-------------------------------------|--------------|---|---------------------------------|
|               |                                     |              | <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Limiting formaldehyde concentration from the stationary RICE exhaust</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Operating Limits = Using the control techniques approved in Subpart ZZZZ</p> <p>Monitoring System = Monitoring system other than a CPMS or CEMS</p>        |                                 |
| 65.2          | 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>  |                                 |
| 65.2          | 40 CFR Part 60, Subpart Kb          | 60Kb-78      | <p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>  |                                 |
| GRPULTA<br>NK | 30 TAC Chapter 115, Storage of VOCs | R5112-002    | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is less than or equal to 1,000 gallons</p>   |                                 |
| GRPULTA<br>NK | 40 CFR Part 60, Subpart Kb          | 60Kb-2       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>  |                                 |
| PE6-95-147    | 30 TAC Chapter 115, Storage of VOCs | R5112-008    | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p> |                                 |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|------------|-------------------------------------|--------------|--|---------------------------------|
| PE6-95-147 | 40 CFR Part 60, Subpart Kb          | 60Kb-2       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)  |                                 |
| PE7-95-147 | 30 TAC Chapter 115, Storage of VOCs | R5112-008    | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare |                                 |
| PE7-95-147 | 40 CFR Part 60, Subpart Kb          | 60Kb-2       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)  |                                 |
| PE8-95-147 | 30 TAC Chapter 115, Storage of VOCs | R5112-008    | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare |                                 |
| PE8-95-147 | 40 CFR Part 60, Subpart Kb          | 60Kb-2       | Product Stored = Volatile organic liquid<br>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)  |                                 |
| UTL-95-02  | 30 TAC Chapter 115, Storage of VOCs | R5112-008    | Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.<br>Product Stored = VOC other than crude oil or condensate<br>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons<br>Tank Description = Tank using a vapor recovery system (VRS)<br>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia<br>Control Device Type = Flare |                                 |
| UTL-95-02  | 40 CFR Part 60, Subpart Kb          | 60Kb-3       | Product Stored = Volatile organic liquid   |                                 |

| Unit ID   | Regulation                                       | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|-----------|--|--------------|--|---------------------------------|
|           |  |              | Storage Capacity = Capacity is greater than or equal to 10,600 gallons but less than 19,813 gallons (capacity is greater than 40,000 liters but less than or equal to 75,000 liters)   |                                 |
| UTL-95-19 | 30 TAC Chapter 115, Storage of VOCs              | R5112-008    | <p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons</p> <p>Tank Description = Tank using a vapor recovery system (VRS)</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia</p> <p>Control Device Type = Flare</p>  |                                 |
| UTL-95-19 | 40 CFR Part 60, Subpart Kb                       | 60Kb-2       | <p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>   |                                 |
| 65.2-L    | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-205a   | <p>Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal.</p> <p>Alternate Control Requirement (ACR) = No alternate control requirements are being utilized.</p> <p>Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline.</p> <p>Transfer Type = Loading and unloading.</p> <p>True Vapor Pressure = True vapor pressure less than 0.5 psia.</p>  |                                 |
| HCUNLOAD  | 30 TAC Chapter 115, Loading and Unloading of VOC | R5211-0087   | <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 unloading.</p> <p>True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia.</p> <p>Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized.</p> <p>Control Options = Pressurized loading system.</p> <p>Chapter 115 Control Device Type = No control device.</p> <p>Vapor Tight = Not all liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.</p> |                                 |

| Unit ID | Regulation                       | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------|----------------------------------|--------------|---|---------------------------------|
| 1010    | 30 TAC Chapter 117, Subchapter B | R7300-2001   | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a rolling 30-day average or a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p> |                                 |
| 1010    | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p> <p>Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input less than 10 MMBtu/hr but greater than 5 MMBtu/hr</p>   |                                 |
| 1011    | 30 TAC Chapter 117, Subchapter B | R7300-2001   | <p>Unit Type = Process heater</p> <p>Maximum Rated Capacity = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p> <p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</p> <p>NOx Emission Limit Basis = Complying with the applicable emission limit using a block one-hour average</p> <p>NOx Reduction = No NO<sub>x</sub> reduction</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>CO Monitoring System = Emissions are monitored using method other than CEMS or PEMS.</p>      |                                 |
| 1011    | 40 CFR Part 63, Subpart DDDDD    | 63DDDDD-1    | <p>Commence = Source is existing (commenced construction or reconstruction on or before June 4, 2010)</p>   |                                 |

| Unit ID | Regulation                            | Index Number | Basis of Determination*  | Changes and Exceptions to DSS**  |
|---------|---------------------------------------|--------------|--|--|
|         |                                       |              | Table Applicability = The unit is designed to burn Gas 1 fuel AND has no continuous oxygen trim AND has heat input less than 10 MMBtu/hr but greater than 5 MMBtu/hr   |  |
| 216     | 30 TAC Chapter 111, Visible Emissions | R1111-002    | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.<br>Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.  |  |
| 216     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0233   | Out of Service = Flare was not permanently out of service by April 1, 2006.<br>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.<br>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.<br>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.<br>Modifications to Testing/Monitoring = No modifications to test methods or monitoring methods specified in this section.<br>Flare Type = Flare is in multi-purpose service.<br>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).<br>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC. |  |
| 216     | 40 CFR Part 63, Subpart CC            | 63CC-MAX     | 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.<br>Operating Limits = Flare complies with operating parameters and values in § 63.670(d)-(f)<br>Pressure Assisted = Flare is not pressure-assisted<br>Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but less than 400 ft/s<br>Perimeter Assist Air = Flare does not receive perimeter assist air  |  |
| 216     | 40 CFR Part 63, Subpart CC            | 63CC-NORM    | 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.<br>Operating Limits = Flare complies with operating parameters and values in § 63.670(d)-(f)<br>Pressure Assisted = Flare is not pressure-assisted<br>Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)<br>Perimeter Assist Air = Flare does not receive perimeter assist air  |  |
| 216     | 40 CFR Part 63, Subpart FFFF          | 63FFFF-FLARE | Existing Source = Flare used to reduce organic HAP emissions from an MCPU, which allows or requires compliance with MACT CC.   | The rule citations were determined from an analysis of the rule text and the basis of determination. |

| Unit ID | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|---------|---------------------------------------|--------------|---|--|
| 308     | 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>  |  |
| 308     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0233   | <p>Out of Service = Flare was not permanently out of service by April 1, 2006.</p> <p>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.</p> <p>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.</p> <p>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.</p> <p>Modifications to Testing/Monitoring = No modifications to test methods or monitoring methods specified in this section.</p> <p>Flare Type = Flare is in multi-purpose service.</p> <p>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).</p> <p>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> |  |
| 308     | 40 CFR Part 63, Subpart CC            | 63CC-MAX     | <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 greater than or equal to 60 ft/s but less than 400 ft/s</p> <p>Perimeter Assist Air = Flare does not receive perimeter assist air</p>  |  |
| 308     | 40 CFR Part 63, Subpart CC            | 63CC-NORM    | <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>  |  |
| 308     | 40 CFR Part 63, Subpart FFFF          | 63FFFF-FLARE | Existing Source = Flare used to reduce organic HAP emissions from an MCPU, which allows or requires compliance with MACT CC.  | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| 408     | 30 TAC Chapter 111, Visible Emissions | R1111-002    | Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.   |  |

| Unit ID | Regulation                                   | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|---------|--|--------------|---|--|
|         |  |              | Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.  |  |
| 408     | 30 TAC Chapter 115, HRVOC Vent Gas           | R5720-0233   | <p>Out of Service = Flare was not permanently out of service by April 1, 2006.</p> <p>Total Gas Stream = Flare receives a total gas stream with greater than 100 ppmv HRVOC at some time.</p> <p>Gas Stream Concentration = Flare receives a gas stream containing 5% or greater HRVOC by weight at some time.</p> <p>Alternative Monitoring Approach = No alternative monitoring approaches as outlined in 115.725(m)(1) or 115.725(m)(2) are used.</p> <p>Modifications to Testing/Monitoring = No modifications to test methods or monitoring methods specified in this section.</p> <p>Flare Type = Flare is in multi-purpose service.</p> <p>Monitoring Requirements = Flare is complying with the continuous monitoring requirements of § 115.725(d).</p> <p>Tank Service = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> |  |
| 408     | 40 CFR Part 63, Subpart CC                   | 63CC-MAX     | <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 greater than or equal to 60 ft/s but less than 400 ft/s</p> <p>Perimeter Assist Air = Flare does not receive perimeter assist air</p>  |  |
| 408     | 40 CFR Part 63, Subpart CC                   | 63CC-NORM    | <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>  |  |
| 408     | 40 CFR Part 63, Subpart FFFF                 | 63FFFF-FLARE | Existing Source = Flare used to reduce organic HAP emissions from an MCPU, which allows or requires compliance with MACT CC.  | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| 259     | 30 TAC Chapter 115, HRVOC Fugitive Emissions | R5780-ALL    | <p>SOP/GOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter H, Division 3 with no alternate control or control device.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p>   |  |

| Unit ID | Regulation   | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|---------|--|--------------|---|--|
|         |  |              | <p>Less Than 250 Components at Site = The fugitive unit is located at a site with at least 250 fugitive components in VOC service.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p>  |  |
| 259     | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352-ALL    | <p>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.</p> <p>Title 30 TAC § 115.352 Applicable = The site contains a petroleum refinery, a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process as defined in 30 TAC § 115.10</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.</p> |  |
| 259     | 40 CFR Part 60, Subpart DDD                        | 60DDD-ALL    | <p>SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.</p> <p>MANUFACTURED PRODUCT = Polypropylene or polyethylene</p> <p>CONTINUOUS PROCESS [NSPS DDD] = The affected facility process is a continuous process</p> <p>40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = After January 10, 1989</p> <p>VOC Service = Some of the equipment comes into contact with a fluid containing &lt; 10% by weight VOC.</p> <p>40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = Facility has a design capacity to produce greater than or equal to 1,000 Mg/yr</p>                   |  |
| 259     | 40 CFR Part 63, Subpart FFFF                       | 63FFFF-FUG   | Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.   | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| 306     | 30 TAC Chapter 115, HRVOC Fugitive Emissions       | R5780-ALL    | <p>SOP/GOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter H, Division 3 with no alternate control or control device.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Less Than 250 Components at Site = The fugitive unit is located at a site with at least 250 fugitive components in VOC service.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p>  |  |

| Unit ID | Regulation   | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|---------|--|--------------|---|--|
| 306     | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352-ALL    | <p>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.</p> <p>Title 30 TAC § 115.352 Applicable = The site contains a petroleum refinery, a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process as defined in 30 TAC § 115.10</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.</p> |  |
| 306     | 40 CFR Part 60, Subpart DDD                        | 60DDD-ALL    | <p>SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.</p> <p>MANUFACTURED PRODUCT = Polypropylene or polyethylene</p> <p>CONTINUOUS PROCESS [NSPS DDD] = The affected facility process is a continuous process</p> <p>40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = After January 10, 1989</p> <p>VOC Service = Some of the equipment comes into contact with a fluid containing &lt; 10% by weight VOC.</p> <p>40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = Facility has a design capacity to produce greater than or equal to 1,000 Mg/yr</p>                   |  |
| 306     | 40 CFR Part 63, Subpart FFFF                       | 63FFFF-FUG   | Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.   | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| 406     | 30 TAC Chapter 115, HRVOC Fugitive Emissions       | R5780-ALL    | <p>SOP/GOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter H, Division 3 with no alternate control or control device.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Less Than 250 Components at Site = The fugitive unit is located at a site with at least 250 fugitive components in VOC service.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p>  |  |
| 406     | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | R5352-ALL    | <p>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.</p> <p>Title 30 TAC § 115.352 Applicable = The site contains a petroleum refinery, a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process as defined in 30 TAC § 115.10</p>   |  |

| Unit ID | Regulation   | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**   |
|---------|--|--------------|---|---|
|         |  |              | <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>Weight Percent VOC = Components in the fugitive unit contact process fluids that contain less than 10% VOC by weight and process fluids that contains VOC at 10%, or greater, by weight.</p>   |   |
| 406     | 40 CFR Part 60, Subpart DDD                        | 60DDD-ALL    | <p>SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.</p> <p>MANUFACTURED PRODUCT = Polypropylene or polyethylene</p> <p>CONTINUOUS PROCESS [NSPS DDD] = The affected facility process is a continuous process</p> <p>40 CFR 60 (NSPS) SUBPART DDD CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = After January 10, 1989</p> <p>VOC Service = Some of the equipment comes into contact with a fluid containing &lt; 10% by weight VOC.</p> <p>40 CFR 60 (NSPS) SUBPART DDD DESIGN CAPACITY = Facility has a design capacity to produce greater than or equal to 1,000 Mg/yr</p> |   |
| 406     | 40 CFR Part 63, Subpart FFFF                       | 63FFFF-FUG   | Existing Source = Fugitive unit contains equipment in an existing Miscellaneous Chemical Processing Unit.   | The rule citations were determined from an analysis of the rule text and the basis of determination.  |
| 900     | 30 TAC Chapter 115, HRVOC Fugitive Emissions       | R5780-ALL    | SOP/GOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter H, Division 3 with no alternate control or control device.  |   |
| 900     | 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.  |   |
| 900     | 40 CFR Part 60, Subpart DDD                        | 60DDD-ALL    | SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.   | Affected Pollutant - VOC/TOC:<br>Related Standard § 60.482-9(f) was deleted because it relates to pumps and valves and not flanges/ connectors. |
| 901     | 30 TAC Chapter 115, HRVOC Fugitive Emissions       | R5780-ALL    | SOP/GOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter H, Division 3 with no alternate control or control device.  |   |
| 901     | 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.  |   |

| Unit ID  | Regulation                               | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**   |
|----------|--|--------------|---|---|
| 901      | 40 CFR Part 60, Subpart DDD              | 60DDD-ALL    | SOP Index No. = Owner of operator assumes fugitive control requirements for all components in VOC service subject to 40 CFR Part 60, Subpart DDD with no alternate control or control device.   | Affected Pollutant - VOC/TOC:<br>Related Standard § 60.482-9(f) was deleted because it relates to pumps and valves and not flanges/ connectors. |
| GRPCLTWR | 30 TAC Chapter 115, HRVOC Cooling Towers | R5780-296    | <p>Cooling Tower Heat Exchange System Exemptions = The cooling tower heat exchange system does not qualify for an exemption.</p> <p>Alternative Monitoring = Complying with the specified monitoring in 30 TAC § 115.764.</p> <p>Modified Monitoring = Minor modifications to the monitoring and testing methods approved by the executive director as allowed in § 115.764(f) are being used.</p> <p>Jacketed Reactor = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor.</p> <p>Design Capacity = Design capacity to circulate 8000 gpm or greater.</p> <p>Finite Volume System = The cooling tower heat exchange system is complying with the requirements in § 115.764(a).</p> <p>Flow Monitoring/Testing Method = Choosing to use a continuous flow monitor on each inlet of each cooling tower in accordance with § 115.764(a)(1), (b)(1), or (h)(1).</p> <p>Total Strippable VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a).</p> <p>On-Line Monitor = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.</p> |   |
| GRPCLTWR | 40 CFR Part 63, Subpart FFFF             | 63FFFF-HES   | Monitoring = The cooling water is being monitored for the presence of HAPs or other representative substances that would indicate a leak.   | The rule citations were determined from an analysis of the rule text and the basis of determination.  |
| GRPCLTWR | 40 CFR Part 63, Subpart Q                | 63Q-001      | Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.   |   |
| HCL-WSEP | 30 TAC Chapter 115, Water Separation     | R5131-000    | <p>Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910.</p> <p>Exemption = Any single or multiple compartment VOC water separator which is designed solely to capture stormwater, spills, or exterior surface cleanup waters and is fully covered.</p>  |   |
| 1008A/B  | 30 TAC Chapter 115, Vent Gas Controls    | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p>   |   |

| Unit ID | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------|---------------------------------------|--------------|---|---------------------------------|
|         |                                       |              | <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>   |                                 |
| 1009A/B | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| 217     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>   |                                 |
| 217     | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| 217     | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G2CPV | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>   |                                 |

| Unit ID | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------|---------------------------------------|--------------|---|---------------------------------|
| 261     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>  |                                 |
| 261     | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| 261     | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G2CPV | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>   |                                 |
| 311     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>  |                                 |
| 311     | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |

| Unit ID | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------|---------------------------------------|--------------|---|---------------------------------|
| 313     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>  |                                 |
| 313     | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| 355     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft3/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>  |                                 |
| 355     | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| 413     | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Exempt Date = The vent gas stream is not exempt.</p>   |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|--|---------------------------------|
| 413       | 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 = Carbon adsorption system that replaces the carbon at a predetermined time interval.</p> |                                 |
| 413       | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G2CPV | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>  |                                 |
| 455       | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Exempt Date = The vent gas stream is not exempt.</p>  |                                 |
| 455       | 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 = Carbon adsorption system that replaces the carbon at a predetermined time interval.</p> |                                 |
| 455       | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G2CPV | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>  |                                 |
| GRPE6PELT | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>  |                                 |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|---|---------------------------------|
| GRPE6PELT | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| GRPE7PELT | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>   |                                 |
| GRPE7PELT | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| GRPE8PELT | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0502   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration less than 100 ppmv at all times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Exempt Date = The vent gas stream is not exempt.</p>   |                                 |
| GRPE8PELT | 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>  |                                 |

| Unit ID        | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|----------------|---------------------------------------|--------------|---|---------------------------------|
|                |                                       |              | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>  |                                 |
| GRPHCSPV<br>SL | 30 TAC Chapter 115, Vent Gas Controls | R5121-5      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>  |                                 |
| GRPHRVOC<br>AN | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0559   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is uncontrolled.</p> <p>Alternative Monitoring = Not using alternative monitoring and testing methods.</p> <p>Minor Modification = Not using any minor modification to the monitoring and testing methods of the rule.</p> <p>Process Knowledge = Process knowledge and engineering calculations are used to determine HRVOC emissions during emission events and scheduled startup, shutdown, and maintenance activities.</p> <p>Waived Testing = The executive director has not waived testing for identical vents.</p> <p>Testing Requirements = Process knowledge to determine maximum potential HRVOC hourly emissions for analyzer vents, stream system vents, vent gas streams with no HRVOC except during emission event or degassing safety device in lieu of testing.</p> |                                 |
| GRPHRVOC<br>AN | 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>  |                                 |

| Unit ID     | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|-------------|---------------------------------------|--------------|---|---------------------------------|
|             |                                       |              | <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>  |                                 |
| GRPOLYVN T1 | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| GRPOLYVN T2 | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |                                 |
| GRPOLYVN T4 | 30 TAC Chapter 115, Vent Gas Controls | R5121-3      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p>   |                                 |

| Unit ID        | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|----------------|---------------------------------------|--------------|---|--|
|                |                                       |              | <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p>   |  |
| GRPPEG1B<br>PV | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                          |  |
| GRPPEG1C<br>PV | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                          |  |
| GRPPEG1C<br>PV | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G1CPV | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| GRPPESCV       | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.   |  |

| Unit ID        | Regulation                                  | Index Number   | Basis of Determination*   | Changes and Exceptions to DSS**  |
|----------------|---|----------------|---|--|
|                |   |                | <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>   |  |
| MONMTNCV<br>NT | 40 CFR Part 63,<br>Subpart FFFF             | 63FFFF-MTNCVNT | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>   | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| P7-V-19        | 30 TAC Chapter<br>115, Vent Gas<br>Controls | R5121-3        | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration or Emission Rate at Maximum Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.</p> |  |
| PE6-PV         | 30 TAC Chapter<br>115, HRVOC Vent<br>Gas    | R5720-0505     | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>   |  |
| PE6-PV         | 30 TAC Chapter<br>115, Vent Gas<br>Controls | R5121-4        | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>  |  |

| Unit ID | Regulation                            | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|---------|---------------------------------------|--------------|---|--|
| PE6-PV  | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G1CPV | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| PE7-PV  | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0505   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>   |  |
| PE7-PV  | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>                          |  |
| PE7-PV  | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G1CPV | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p> | The rule citations were determined from an analysis of the rule text and the basis of determination. |

| Unit ID   | Regulation                            | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|-----------|---------------------------------------|--------------|--|---------------------------------|
| PE8-AV16B | 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 = Carbon adsorption system that replaces the carbon at a predetermined time interval.</p> |                                 |
| PE8-AV16B | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G2CPV | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>  |                                 |
| PE8-AV1B  | 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 = Carbon adsorption system that replaces the carbon at a predetermined time interval.</p> |                                 |
| PE8-AV1B  | 40 CFR Part 63, Subpart FFFF          | 63FFFF-G2CPV | <p>Emission Standard = The vent stream is Group 2 (not designated as Group 1 and determined to not be Group 1).</p> <p>Recovery Device = The TRE index is maintained without a recovery device.</p>  |                                 |
| PE8-PV    | 30 TAC Chapter 115, HRVOC Vent Gas    | R5720-0505   | <p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft<sup>3</sup>/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>  |                                 |
| PE8-PV    | 30 TAC Chapter 115, Vent Gas Controls | R5121-4      | <p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p>   |                                 |

| Unit ID     | Regulation                                     | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|-------------|--|--------------|---|--|
|             |  |              | <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Alternate Control Requirement = Alternate control is not used.</p> <p>Control Device Type = Smokeless flare</p>   |  |
| PE8-PV      | 40 CFR Part 63, Subpart FFFF                   | 63FFFF-G1CPV | <p>Emission Standard = The TRE index is not maintained above the threshold (5.0 for a new source and 1.9 for an existing source) and a flare is being used for control.</p> <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Designated Hal = The emission stream is not designated as halogenated.</p> <p>Determined Hal = The emission stream is determined to be non-halogenated.</p> <p>Prior Eval = The data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or a waiver has not been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at or above atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>   | The rule citations were determined from an analysis of the rule text and the basis of determination. |
| GRPDEGRE AS | 40 CFR Part 63, Subpart T                      | 63T-001      | Solvent Type = The unit does not use any of the following halogenated HAP solvents: methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform in a total concentration greater than 5% by weight.  |  |
| PROPAIN T   | 30 TAC Chapter 115, Surface Coating Operations | R5421-001    | <p>Alternative Compliance Method = No alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria has been approved by the TCEQ Executive Director under 30 TAC § 115.423(2), § 115.423(3)(A) or § 115.423(4).</p> <p>Facility Operations = Other miscellaneous metal parts and products coating.</p> <p>Maintenance Shop = Recoating used miscellaneous metal parts and products at an on-site maintenance shop that began operations before January 1, 2012.</p> <p>VOC Emission Rate = Other uncontrolled emission rates.</p> <p>Vapor Recovery = No vapor recovery system is used to control emissions.</p> <p>Alternate Requirements = No alternate requirement to 30 TAC § 115.421(8) has been approved by the TCEQ Executive Director.</p> <p>Miscellaneous Coating Type = A coating that is low-bake, or utilizes air or forced air driers.</p> |  |
| PROCACTD DD | 40 CFR Part 60, Subpart DDD                    | 60DDDCTE     | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p>   |  |

| Unit ID       | Regulation                     | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------------|--------------------------------|--------------|---|---------------------------------|
|               |                                |              | <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p>  |                                 |
| PROPE6DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDCNTL    | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Continuous Control Device = Flare.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p> |                                 |
| PROPE6DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDCTE     | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p>                                    |                                 |
| PROPE6DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDEMERG   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p>   |                                 |

| Unit ID       | Regulation                     | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------------|--------------------------------|--------------|---|---------------------------------|
|               |                                |              | <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are an emergency vent stream from a new, modified, or reconstructed facility.</p>   |                                 |
| PROPE6DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDICNTL   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.</p> <p>Existing Control Device = The vent stream is not controlled in an existing control device (as defined in 40 CFR ' 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.</p> <p>Intermittent Control Device = Flare.</p>                      |                                 |
| PROPE6DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDTPY     | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p> |                                 |
| PROPE6DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDWTPCT   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%.</p>   |                                 |

| Unit ID       | Regulation                     | Index Number | Basis of Determination*   | Changes and Exceptions to DSS** |
|---------------|--------------------------------|--------------|---|---------------------------------|
|               |                                |              | <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p>   |                                 |
| PROPE7DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDCNTL    | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Continuous Control Device = Flare.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p> |                                 |
| PROPE7DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDICNTL   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.</p> <p>Existing Control Device = The vent stream is not controlled in an existing control device (as defined in 40 CFR ' 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.</p> <p>Intermittent Control Device = Flare.</p>  |                                 |
| PROPE7DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDTYPY    | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).</p>  |                                 |

| Unit ID       | Regulation                     | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|---------------|--------------------------------|--------------|---|--|
|               |                                |              | <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p>  |  |
| PROPE7DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDWTPCT   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p>   |  |
| PROPE8DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDAMOC216 | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Emission Control Method = Facility is choosing to comply with 40 CFR § 60.562-1(a)(1)(I)(A).</p> <p>Control Device = A carbon adsorber is the final system unit.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Continuous Control Device = Carbon adsorber.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p> <p>Emission Reduction from Control Device = Existing control device (as defined in 40 CFR § 60.561) reduces emissions by 98 percent or greater, or exit concentration is 20 ppmv or less.</p> | <p>Affected Pollutant - VOC/TOC:</p> <p>Monitoring/Testing citations [G]§ 60.564(b), [G]§ 60.564(c), [G]§ 60.564(d), and Recordkeeping citation § 60.565(f)(3) were deleted because the unit is complying with the monitoring/testing and recordkeeping requirements in the approved AMOC 216.</p> |
| PROPE8DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDCCNTL   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p>   |  |

| Unit ID       | Regulation                     | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|---------------|--------------------------------|--------------|--|---------------------------------|
|               |                                |              | <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Continuous Control Device = Flare.</p> <p>Table 3 Control Requirements = Calculations from Table 3 require controls.</p>  |                                 |
| PROPE8DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDEMERG   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are an emergency vent stream from a new, modified, or reconstructed facility.</p>  |                                 |
| PROPE8DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDICNTL   | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit intermittent emissions.</p> <p>Emergency Vent = Emissions are not an emergency vent stream from a new, modified, or reconstructed facility.</p> <p>Existing Control Device = The vent stream is not controlled in an existing control device (as defined in 40 CFR ' 60.561) which has not been reconstructed, replaced, or its operating conditions modified as a result of state or local regulations.</p> <p>Intermittent Control Device = Flare.</p> |                                 |
| PROPE8DD<br>D | 40 CFR Part 60,<br>Subpart DDD | 60DDDTYP     | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p>  |                                 |

| Unit ID        | Regulation                      | Index Number   | Basis of Determination*   | Changes and Exceptions to DSS**  |
|----------------|---------------------------------|----------------|---|--|
|                |                                 |                | <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are less than 1.6 Mg/yr (1.76 tpy).</p> <p>Weight Percent TOC = Weight percent of total organic compounds is 0.10% or greater.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p>   |  |
| PROPE8DD<br>D  | 40 CFR Part 60,<br>Subpart DDD  | 60DDDWTPCT     | <p>Manufactured Product = Polypropylene or polyethylene.</p> <p>Continuous Process = The affected facility process is continuous.</p> <p>Construction/Modification Date = After January 10, 1989.</p> <p>Experimental Process Line = The affected facility is a production process line.</p> <p>Polyolefin Production = Only one polyolefin is produced or no polyolefin is produced.</p> <p>Process Emissions = Individual vent gas streams emit continuous emissions.</p> <p>Uncontrolled Annual Emissions = Uncontrolled annual emissions are 1.6 Mg/yr (1.76 tpy) or greater.</p> <p>Weight Percent TOC = Weight percent of total organic compounds is less than 0.10%.</p> <p>Control of Continuous Emissions = Vent gas stream emissions are not controlled with an existing control device (as defined in 40 CFR § 60.561).</p> <p>Table 3 Control Requirements = Calculations from Table 3 do not require controls.</p> |  |
| 1008A/B        | 40 CFR Part 63,<br>Subpart FFFF | 63FFFF-G2BPV   | <p>Designated Grp1 = The emission stream is not designated as Group 1.</p> <p>Determined Grp1 = The emission stream is determined to be Group 2.</p>  |  |
| 1009A/B        | 40 CFR Part 63,<br>Subpart FFFF | 63FFFF-G2BPV   | <p>Designated Grp1 = The emission stream is not designated as Group 1.</p> <p>Determined Grp1 = The emission stream is determined to be Group 2.</p>  |  |
| GRPPEG1B<br>PV | 40 CFR Part 63,<br>Subpart FFFF | 63FFFFG1BPVFL1 | <p>Designated Grp1 = The emission stream is designated as Group 1.</p> <p>Vent Emission Control = Reduce uncontrolled organic HAP emissions from all batch process vents within the process by venting through a closed-vent system to a flare per Table 2.1.c.</p> <p>Designated HAL = The emission stream is not designated as halogenated.</p> <p>Determined HAL = The emission stream is determined not to be halogenated.</p> <p>Prior Eval = Data from a prior evaluation or assessment is not used.</p> <p>Assessment Waiver = The Administrator has not granted a waiver of compliance assessment or no waiver has been requested.</p> <p>Negative Pressure = The closed vent system is operated and maintained at atmospheric pressure.</p> <p>Bypass Line = No bypass lines.</p>  | The rule citations were determined from an analysis of the rule text and the basis of determination. |

| Unit ID    | Regulation                          | Index Number | Basis of Determination*  | Changes and Exceptions to DSS**   |
|------------|-------------------------------------|--------------|--|---|
| PROCATMCPU | 30 TAC Chapter 115, Batch Processes | R5161-001    | Batch Process Annual Emission = The batch process train has total annual mass emissions from all combined vents at or lower than the levels specified in 30 TAC § 115.167(2)(A).   |   |
| PROCATMCPU | 40 CFR Part 63, Subpart FFFF        | 63FFFF-MCPU2 | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process includes Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>2525E1 = The MCPU does not meet one of the situations described in paragraph § 63.100(e)(1)(i), (ii) or (iii).</p> <p>Startup 2003 = The affected source startup was on or after November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was on or after April 4, 2002.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is a new affected source as described in § 63.2440(c)(1) or (2).</p> <p>HAP Metals = Uncontrolled emissions from process vents are less than 150 lb/yr of HAP metals.</p> <p>Batch Process Vents = The source includes batch process vents.</p> | <p>Affected Pollutant - 112(B) HAPS:</p> <p>Related Standard § 63.2450(u) was added to add the compliance date requirements, effective on or after August 12, 2023.</p> |
| PROPE6MCPU | 40 CFR Part 63, Subpart FFFF        | 63FFFF-MCPU1 | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process includes Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>2525E1 = The MCPU does not meet one of the situations described in paragraph § 63.100(e)(1)(i), (ii) or (iii).</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p>  | <p>Affected Pollutant - 112(B) HAPS:</p> <p>Related Standard § 63.2450(u) was added to add the compliance date requirements, effective on or after August 12, 2023.</p> |

| Unit ID    | Regulation                   | Index Number | Basis of Determination*   | Changes and Exceptions to DSS**  |
|------------|------------------------------|--------------|---|--|
|            |                              |              | <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source includes batch process vents.</p>   |  |
| PROPE7MCPU | 40 CFR Part 63, Subpart FFFF | 63FFFF-MCPU1 | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process includes Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>2525E1 = The MCPU does not meet one of the situations described in paragraph § 63.100(e)(1)(i), (ii) or (iii).</p> <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source includes batch process vents.</p> | <p>Affected Pollutant - 112(B) HAPS:<br/>Related Standard § 63.2450(u) was added to add the compliance date requirements, effective on or after August 12, 2023.</p> |
| PROPE8MCPU | 40 CFR Part 63, Subpart FFFF | 63FFFF-MCPU1 | <p>Ammonium Sulfate = The MCPU does not include the manufacture of ammonium sulfate as a by-product, or the slurry entering the by-product manufacturing process contains 50 parts per million by weight (ppmw) HAP or less or 10 ppmw benzene or less.</p> <p>Other Operations = The MCPU includes operations other than those listed in § 63.2435(c).</p> <p>63.100 CMPU = The MCPU is not a CMPU defined in § 63.100.</p> <p>G2/&lt;1000 lb/yr = The process includes Group 2 batch process vents and/or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr.</p> <p>2525E1 = The MCPU does not meet one of the situations described in paragraph § 63.100(e)(1)(i), (ii) or (iii).</p>  | <p>Affected Pollutant - 112(B) HAPS:<br/>Related Standard § 63.2450(u) was added to add the compliance date requirements, effective on or after August 12, 2023.</p> |

| Unit ID | Regulation | Index Number | Basis of Determination*  | Changes and Exceptions to DSS** |
|---------|------------|--------------|--|---------------------------------|
|         |            |              | <p>Startup 2003 = The affected source startup was before November 10, 2003.</p> <p>Shared Batch Vent = The MCPU does not include a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63.</p> <p>PUG = The MCPU is not part of a process unit group (PUG).</p> <p>Startup 2002 = The affected source initial startup was before April 4, 2002.</p> <p>PP Alt = The MCPU is complying with the emission limitations and work practice standards contained in Tables 1 through 7.</p> <p>&gt;1000 lb/yr = The process has uncontrolled hydrogen halide and halogen HAP emissions from process vents of less than 1,000 lb/yr.</p> <p>New Source = The MCPU is an existing affected source.</p> <p>Batch Process Vents = The source includes batch process vents.</p> |                                 |

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

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

## NSR Versus Title V FOP

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

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

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

## New Source Review Requirements

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

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

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

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

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

### New Source Review Authorization References

| <b>Prevention of Significant Deterioration (PSD) Permits</b>  |                              |
|---|------------------------------|
| PSD Permit No.: PSDTX808  | Issuance Date: 11/07/2024    |
| <b>Nonattainment (NA) Permits</b>   |                              |
| NA Permit No.: N014M2   | Issuance Date: 11/07/2024    |
| <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.: 4437A  | Issuance Date: 11/07/2024    |
| Authorization No.: 152228   | Issuance Date: 06/20/2018    |
| <b>Permits by Rule (30 TAC Chapter 106) for the Application Area</b>  |                              |
| Number: 106.227   | Version No./Date: 09/04/2000 |
| Number: 106.261   | Version No./Date: 11/01/2003 |
| Number: 106.262   | Version No./Date: 11/01/2003 |
| Number: 106.263   | Version No./Date: 11/01/2001 |
| Number: 106.393   | Version No./Date: 09/04/2000 |
| Number: 106.472   | Version No./Date: 09/04/2000 |
| Number: 106.511   | Version No./Date: 09/04/2000 |
| Number: 106.512   | Version No./Date: 09/04/2000 |
| Number: 106.532   | Version No./Date: 09/04/2000 |

### 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 18. The EPA gives States broad discretion in prescribing monitoring, recordkeeping, and reporting for generally applicable requirements that cover insignificant emission units. (see EPA *White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program*). Federal regulations specifically identify recordkeeping as an appropriate level of monitoring necessary to assure compliance with the requirements applicable to an emissions unit. Permitting authorities have the best sense of where it is appropriate to conclude that periodic monitoring is not necessary for IEUs, when state program rules already provide sufficient monitoring for these units.

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

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

### **Emission Units and Emission Points**

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

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

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

### **Monitoring Sufficiency**

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

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

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

**Compliance Assurance Monitoring (CAM):**

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

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

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

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

| <b>Unit/Group/Process Information</b>  |                                |
|--|--------------------------------|
| ID No.: GRPPEG1BPV   |                                |
| Control Device ID No.: 216, 308, 408   | Control Device Type: Flare     |
| <b>Applicable Regulatory Requirement</b>   |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls  | SOP Index No.: R5121-4         |
| Pollutant: VOC   | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>  |                                |
| Indicator: Pilot flame   |                                |
| Minimum Frequency: Continuous  |                                |
| Averaging Period: n/a  |                                |
| Deviation Limit: Absence of all pilot flames   |                                |
| Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH. |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: GRPPEG1CPV  |                                |
| Control Device ID No.: 216, 308, 408  | Control Device Type: Flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls   | SOP Index No.: R5121-4         |
| Pollutant: VOC  | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: GRPPESCV  |                                |
| Control Device ID No.: 216, 308, 408  | Control Device Type: FLARE     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls   | SOP Index No.: R5121-4         |
| Pollutant: VOC  | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: PE6-PV  |                                |
| Control Device ID No.: 216  | Control Device Type: Flare     |
| Control Device ID No.: 308  | Control Device Type: flare     |
| Control Device ID No.: 408  | Control Device Type: flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, HRVOC Vent Gas  | SOP Index No.: R5720-0505      |
| Pollutant: Highly Reactive VOC  | Main Standard: § 115.722(c)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot Flames   |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: PE6-PV  |                                |
| Control Device ID No.: 216  | Control Device Type: Flare     |
| Control Device ID No.: 308  | Control Device Type: flare     |
| Control Device ID No.: 408  | Control Device Type: flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls   | SOP Index No.: R5121-4         |
| Pollutant: VOC  | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: PE7-PV  |                                |
| Control Device ID No.: 216  | Control Device Type: Flare     |
| Control Device ID No.: 308  | Control Device Type: flare     |
| Control Device ID No.: 408  | Control Device Type: flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, HRVOC Vent Gas  | SOP Index No.: R5720-0505      |
| Pollutant: Highly Reactive VOC  | Main Standard: § 115.722(c)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: PE7-PV  |                                |
| Control Device ID No.: 216  | Control Device Type: Flare     |
| Control Device ID No.: 308  | Control Device Type: flare     |
| Control Device ID No.: 408  | Control Device Type: flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls   | SOP Index No.: R5121-4         |
| Pollutant: VOC  | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: PE8-PV  |                                |
| Control Device ID No.: 216  | Control Device Type: Flare     |
| Control Device ID No.: 308  | Control Device Type: flare     |
| Control Device ID No.: 408  | Control Device Type: flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, HRVOC Vent Gas  | SOP Index No.: R5720-0505      |
| Pollutant: Highly Reactive VOC  | Main Standard: § 115.722(c)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: PE8-PV  |                                |
| Control Device ID No.: 216  | Control Device Type: Flare     |
| Control Device ID No.: 308  | Control Device Type: flare     |
| Control Device ID No.: 408  | Control Device Type: flare     |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 115, Vent Gas Controls   | SOP Index No.: R5121-4         |
| Pollutant: VOC  | Main Standard: § 115.122(a)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: Pilot flame  |                                |
| Minimum Frequency: Continuous   |                                |
| Averaging Period: n/a   |                                |
| Deviation Limit: Absence of all pilot flames  |                                |
| <p>Basis of CAM: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p> |                                |

**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.: 1010  |                                |
| Control Device ID No.: N/A  | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 117, Subchapter B  | SOP Index No.: R7300-2001      |
| Pollutant: CO   | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: CO concentration   |                                |
| Minimum Frequency: Once every 2 years   |                                |
| Averaging Period: N/A   |                                |
| Deviation Limit: Maximum CO concentration = 400 ppmv at 3% O <sub>2</sub> , dry basis   |                                |
| 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.: 1010   |                                |
| Control Device ID No.: N/A   | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>   |                                |
| Name: 30 TAC Chapter 117, Subchapter B   | SOP Index No.: R7300-2001      |
| Pollutant: CO  | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>  |                                |
| Indicator: CO emission rate  |                                |
| Minimum Frequency: Annually  |                                |
| Averaging Period: N/A  |                                |
| Deviation Limit: CO emissions exceeding the hourly emission limit referenced in the Maximum Allowable Emission Rate Table (MAERT) of current New Source Review (NSR) Permit Number 4437A.  |                                |
| Basis of monitoring: Monitoring and recording the fuel rate is used in conjunction with an approved CO emission factor to calculate emissions in lb/hr to demonstrate compliance with the hourly CO emission rate specified in NSR permit 4437A. Emission calculations were provided in the FOP renewal application that demonstrates that compliance with the NSR CO emission limit is equivalent to a CO concentration of 130.14 ppmv which is below the 400 ppmv CO limit specified in 30 TAC Chapter 117, Subchapter B. Stack testing performed on April 4, 2023 provided data that the measured CO concentration was 45.08 ppmv which indicates that CO emissions from the catalyst activator heater burners are well below the 400 ppmv regulation limit. On-going compliance with the 30 TAC Chapter, Subchapter B CO concentration limit can be reasonably assured by complying with the NSR CO hourly emission limit. |                                |

| <b>Unit/Group/Process Information</b>   |                                |
|---|--------------------------------|
| ID No.: 1011  |                                |
| Control Device ID No.: N/A  | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 117, Subchapter B  | SOP Index No.: R7300-2001      |
| Pollutant: CO   | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: CO concentration   |                                |
| Minimum Frequency: Once every 2 years   |                                |
| Averaging Period: N/A   |                                |
| Deviation Limit: Maximum CO concentration = 400 ppmv at 3% O <sub>2</sub> , dry basis   |                                |
| 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.: 1011  |                                |
| Control Device ID No.: N/A  | Control Device Type: N/A       |
| <b>Applicable Regulatory Requirement</b>  |                                |
| Name: 30 TAC Chapter 117, Subchapter B  | SOP Index No.: R7300-2001      |
| Pollutant: CO   | Main Standard: § 117.310(c)(1) |
| <b>Monitoring Information</b>   |                                |
| Indicator: CO emission rate   |                                |
| Minimum Frequency: Annually   |                                |
| Averaging Period: N/A   |                                |
| Deviation Limit: CO emissions exceeding the hourly emission limit referenced in the Maximum Allowable Emission Rate Table (MAERT) of current New Source Review (NSR) Permit Number 4437A.   |                                |
| <p>Basis of monitoring: Monitoring and recording the fuel rate is used in conjunction with an approved CO emission factor to calculate emissions in lb/hr to demonstrate compliance with the hourly CO emission rate specified in NSR permit 4437A. Emission calculations were provided in the FOP renewal application that demonstrates that compliance with the NSR CO emission limit is equivalent to a CO concentration of 130.14 ppmv which is below the 400 ppmv CO limit specified in 30 TAC Chapter 117, Subchapter B. Stack testing performed on April 4, 2023 provided data that the measured CO concentration was 45.08 ppmv which indicates that CO emissions from the catalyst activator heater burners are well below the 400 ppmv regulation limit. On-going compliance with the 30 TAC Chapter, Subchapter B CO concentration limit can be reasonably assured by complying with the NSR CO hourly emission limit.</p> |                                |

## Obtaining Permit Documents

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

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

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

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

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

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

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

Additional information concerning PBRs is available on the TCEQ website:

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

## Compliance Review

1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on October 16, 2025.

Site rating: 7.31 / Satisfactory Company rating: 4.76 / 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