

Statement of Basis of the Federal Operating Permit

Enterprise Products Operating LLC

Site/Area Name: Mont Belvieu Complex

Physical location: Located Near the Intersection of FM 1942 and Hatcherville Rd in Mont Belvieu Texas

Nearest City: Mont Belvieu

County: Chambers

Permit Number: O1641

Project Type: Minor Revision

Standard Industrial Classification (SIC) Code: 1321

SIC Name: Natural Gas Liquids

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document may include the following information:

- A description of the facility/area process description;
- A description of the revision project;
- 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 30, 2014

Operating Permit Basis of Determination

Description of Revisions

A minor revision application was submitted to incorporate 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart ZZZZ requirements for SRIC engines at the facility. Issuance dates were also added for all case-by-case NSR permits and PSD permits, per previous program agreement with EPA Region 6.

Permit Area Process Description

Enterprise Products Operating, LLC processes liquid petroleum gases to produce high grade petroleum products and certain synthetic organic chemicals. The processes include fractionation, reaction separation and distillation. The facility utilizes gas turbines to provide power and heat for the production operations. Supplementary fired heat recovery units provide additional power. The facility utilizes four flares to control emissions.

The facility has numerous units including : butane isomerization Units that convert normal butane into isobutane after treatment to remove sulfur compounds, deisobutanizer units that are used to separate isobutane from butane in mixed streams, a methyl tertiary butyl ether (MTBE) unit used to convert isobutane feed into either MTBE or other gasoline additives, a (P/P) splitter used to separate a mixed propane/propylene feed into separate propane, propylene and butane constituents after treatment to remove sulfur compounds, fractionators used to separate Y-grade feed which consists of ethane, propane, butane and other gases into individual gas liquid products, and cogeneration units at the facility consist of natural gas fired turbines. These units produce electricity and to provide heat for the process units at the facility.

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: O3557

Major Source Pollutants

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

Major Pollutants	VOC, NOX, HAPS, CO
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Reading State of Texas’s Federal Operating Permit

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

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

- General Terms and Conditions

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

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 a 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 are 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.

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

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

Federal Regulatory Applicability Determinations

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

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	Yes
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	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

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:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. 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.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.

10. 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).
11. 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.
12. 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.
13. 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.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. 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.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. 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.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

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

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

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards,

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

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

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

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

Operational Flexibility

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

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
02350GEN01	40 CFR Part 60, Subpart IIII	60IIII-o	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating is greater than 368 KW and less than 600 KW.</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>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2013.</p>
02350GEN01	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-04	<p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use.</p> <p>Installation Date = The emergency use stationary RICE was installed on or after June 12, 2006.</p>
131710387D	40 CFR Part 60, Subpart IIII	60IIII-o	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</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>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2013.</p>
131710387D	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	<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.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
ADMIN-GEN	30 TAC Chapter 117, Subchapter B	R117	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
ADMIN-GEN	40 CFR Part 60, Subpart IIII	60IIII-o	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating is greater than or equal to 75 KW and less than or equal to 368 KW.</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>Displacement = Displacement is greater than or equal to 10 and less than 15 liters per cylinder.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2007.</p>
ADMIN-GEN	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	<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.</p>
FRAC-FWP	30 TAC Chapter 117, Subchapter B	R117	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
FRAC-FWP	40 CFR Part 60, Subpart IIII	60IIII-o	<p>Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005.</p> <p>Diesel = Diesel fuel is used.</p> <p>Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW.</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>Displacement = Displacement is less than 10 liters per cylinder.</p> <p>Service = CI ICE is an emergency engine.</p> <p>Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines.</p> <p>Commencing = CI ICE that is commencing new construction.</p> <p>Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions.</p> <p>Generator Set = The CI ICE is not a generator set engine.</p> <p>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2010.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
FRAC-FWP	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use.
FRAC-GEN	30 TAC Chapter 117, Subchapter B	R117	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
FRAC-GEN	40 CFR Part 60, Subpart IIII	60IIII-o	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005. Diesel = Diesel fuel is used. Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE that is commencing new construction. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Generator Set = The CI ICE is a generator set engine. Manufacture Date = Date of manufacture is after 04/01/2006. Model Year = CI ICE was manufactured in model year 2011.
FRAC-GEN	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use.
FWP1	30 TAC Chapter 117, Subchapter B	R117	Type of Service = Existing diesel fuel-fired engine, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after October 1, 2001
FWP1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use.
FWP2	30 TAC Chapter 117, Subchapter B	R117	Type of Service = Existing diesel fuel-fired engine, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after October 1, 2001
FWP2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-02	Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use. Stationary RICE Type = Compression ignition engine

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-EN20	30 TAC Chapter 117, Subchapter B	R117	Type of Service = Existing diesel fuel-fired engine, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after October 1, 2001
GRP-EN20	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-02	Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use. Stationary RICE Type = Compression ignition engine
GRP-EN40	30 TAC Chapter 117, Subchapter B	R117	Type of Service = Existing diesel fuel-fired engine, located in the Houston/Galveston/Brazoria ozone nonattainment area, operated less than 100 hours/year, on a rolling 12-month average that has not been modified, reconstructed or relocated on or after October 1, 2001
GRP-EN40	40 CFR Part 60, Subpart IIII	60IIII-o	Applicability Date = Stationary CI ICE commenced construction, reconstruction, or modification after July 11, 2005. Diesel = Diesel fuel is used. Kilowatts = Power rating greater than or equal to 130 KW and less than or equal to 368 KW. Exemptions = The CI ICE is not exempt due to national security, testing at an engine test cell/stand or as a temporary replacement. Displacement = Displacement is less than 10 liters per cylinder. Service = CI ICE is an emergency engine. Standards = The emergency CI ICE does not meet the standards applicable to non-emergency engines. Commencing = CI ICE that is commencing new construction. Compliance Option = The CI ICE and control device is installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions. Generator Set = The CI ICE is not a generator set engine. Manufacture Date = Date of manufacture is after 04/01/2006. Model Year = CI ICE was manufactured in model year 2010.
GRP-EN40	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-01	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use.
GRP-EN50	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-03	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Limited use.
GRP-TK22	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-TK23	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</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>
GRP-TK24	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>
GRP-TK24	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>
GRP-TK24	40 CFR Part 63, Subpart G	63G	<p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is subject to 40 CFR Part 60, Subpart Kb.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Control Device Type = Flare</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p>
GRP-TK25	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</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>Product Stored = VOC other than crude oil or condensate</p> <p>Storage Capacity = Capacity is greater than 40,000 gallons</p> <p>Control Device Type = Flare</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-TK25	40 CFR Part 60, Subpart Kb	60Kb	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters)</p> <p>Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p> <p>Storage Vessel Description = Closed vent system (CVS) with a flare used as the control device (fixed roof)</p>
GRP-TK25	40 CFR Part 63, Subpart G	63G	<p>MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G).</p> <p>Closed Vent System = Closed vent system is subject to § 63.172 of Subpart H</p> <p>NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y.</p> <p>NSPS Subpart Kb Applicability = The unit is subject to 40 CFR Part 60, Subpart Kb.</p> <p>Bypass Lines = Closed vent system has no by-pass lines.</p> <p>Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa)</p> <p>Control Device Type = Flare</p> <p>Emission Control Type = Closed vent system (CVS) and control device (fixed roof)</p>
GRP-TK31	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <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>
GRP-TK32	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <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>
GRP-TK33	30 TAC Chapter 115, Storage of VOCs	R5112	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank using a submerged fill pipe</p> <p>True Vapor Pressure = True vapor pressure is less than 1.0 psia</p> <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>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-TK37	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = Gasoline from a storage container in motor vehicle fuel dispensing service (as defined in 30 TAC Chapter 115) Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
GRP-TK38	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
GRP-TK40	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
GRP-TK42	30 TAC Chapter 115, Storage of VOCs	R5112	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank does not require emission controls True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
GRP-TK42	40 CFR Part 60, Subpart Kb	60Kb	Product Stored = Petroleum liquid (other than petroleum or condensate) Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)
GRP-LO20	30 TAC Chapter 115, Loading and Unloading of VOC	R5211	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Liquefied petroleum gas (LPG) Transfer Type = Only loading.

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR20	30 TAC Chapter 117, Subchapter B	R7300	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 200 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average</p> <p>NOx Reduction = Forced flue gas recirculation</p> <p>Fuel Type #1 = Gaseous fuel containing more than 50% hydrogen by volume, on an annual basis, fuel gas sampled and analyzed every three hours.</p> <p>NOx Monitoring System = Continuous emissions monitoring system</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
GRP-HR21	30 TAC Chapter 117, Subchapter B	R7300	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
GRP-HR22	30 TAC Chapter 112, Sulfur Compounds	R112	<p>Effective Stack Height = The effective stack height is equal to or greater than the standard effective stack height.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR22	30 TAC Chapter 117, Subchapter B	R7300	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 100 MMBtu/hr, but less than 200 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
GRP-HR23	30 TAC Chapter 112, Sulfur Compounds	R112	<p>Effective Stack Height = The effective stack height is equal to or greater than the standard effective stack height.</p>
GRP-HR23	30 TAC Chapter 117, Subchapter B	R7300	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR24	30 TAC Chapter 117, Subchapter B	R7300	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
HR16.001	30 TAC Chapter 112, Sulfur Compounds	R112	<p>Effective Stack Height = The effective stack height is equal to or greater than the standard effective stack height.</p>
HR16.001	30 TAC Chapter 117, Subchapter B	R7310	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 100 MMBtu/hr, but less than 200 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
HR16.002	30 TAC Chapter 112, Sulfur Compounds	R112	<p>Effective Stack Height = The effective stack height is equal to or greater than the standard effective stack height.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
HR16.002	30 TAC Chapter 117, Subchapter B	R7310	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
HR17.001	30 TAC Chapter 112, Sulfur Compounds	R112	<p>Effective Stack Height = The effective stack height is equal to or greater than the standard effective stack height.</p>
HR17.001	30 TAC Chapter 117, Subchapter B	R7310	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 100 MMBtu/hr, but less than 200 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>Annual Heat Input = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on a rolling 12-month average.</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
HR17.002	30 TAC Chapter 112, Sulfur Compounds	R112	<p>Effective Stack Height = The effective stack height is equal to or greater than the standard effective stack height.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
HR17.002	30 TAC Chapter 117, Subchapter B	R7310	<p>Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent.</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>Unit Type = Process heater</p> <p>CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option</p> <p>Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr.</p> <p>CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS.</p> <p>NOx Emission Limit Basis = Emission limit basis is not a 30 day rolling average or a block one-hour average</p> <p>NOx Reduction = No NO_x control method</p> <p>Fuel Type #1 = Natural gas</p> <p>Fuel Type #2 = Gaseous fuel other than natural gas, landfill gas or renewable non-fossil fuel gases</p> <p>NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000]</p> <p>NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)</p>
GRP-DB20	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p> <p>FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO MONITORING SYSTEM = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p> <p>ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than 2.8(10¹¹) Btu/yr, based on rolling 12-month average.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DB20	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than 75 MMBtu/hr (22 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>47C-OPTION = COMS exemption § 60.47c(e) for a facility not using post-combustion technology (except a wet scrubber), burns only gaseous fuels or fuel oils that contain no more than 0.5 % by weight sulfur, and emissions of CO are 0.15 lb/MMBtu average.</p> <p>D-SERIES FUEL TYPE = Other fuel.</p> <p>ACF OPTION - SO₂ = Other ACF or no ACF.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p>
GRP-DB21	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</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 = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DB22	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than or equal to 40 MMBtu/hr but less than 100 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p> <p>FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO MONITORING SYSTEM = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p> <p>ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than 2.8(10¹¹) Btu/yr, based on rolling 12-month average.</p>
GRP-DB22	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than 75 MMBtu/hr (22 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>47C-OPTION = COMS exemption § 60.47c(e) for a facility not using post-combustion technology (except a wet scrubber), burns only gaseous fuels or fuel oils that contain no more than 0.5 % by weight sulfur, and emissions of CO are 0.15 lb/MMBtu average.</p> <p>D-SERIES FUEL TYPE = Other fuel.</p> <p>ACF OPTION - SO₂ = Other ACF or no ACF.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DB23	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p> <p>FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option.</p> <p>CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p>
GRP-DB24	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</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 = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DB24	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>47C-OPTION = COMS exemption § 60.47c(e) for a facility not using post-combustion technology (except a wet scrubber), burns only gaseous fuels or fuel oils that contain no more than 0.5 % by weight sulfur, and emissions of CO are 0.15 lb/MMBtu average.</p> <p>D-SERIES FUEL TYPE = Other fuel.</p> <p>ACF OPTION - SO₂ = Other ACF or no ACF.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p>
GRP-DB25	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</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 = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p> <p>ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DB26	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than 2 MMBtu/hr but less than 40 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</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 = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p>
GRP-DB27	30 TAC Chapter 117, Subchapter B	R7300	<p>NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration].</p> <p>UNIT TYPE = Other industrial, commercial, or institutional boiler.</p> <p>MAXIMUM RATED CAPACITY = MRC is greater than or equal to 100 MMBtu/hr but less than 200 MMBtu/hr.</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</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 = Monitored by method other than CEMS or PEMS.</p> <p>EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas.</p> <p>NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/MMBtu on a rolling 30-day average.</p> <p>NOX REDUCTIONS = No NO_x reduction.</p> <p>ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than 2.2(10¹¹) Btu/yr, based on rolling 12-month average.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR20	40 CFR Part 60, Subpart Db	60Db	<p>Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997.</p> <p>D-Series Fuel Type #1 = Nonsolid non fossil fuel other than nonsolid byproduct/waste or hazardous waste.</p> <p>D-Series Fuel Type #2 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = Continuous emission monitoring system.</p> <p>SO2 Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO_x = Other ACF or no ACF.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR21	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than or equal to 30 MMBtu/hr (8.7 MW) but less than or equal to 75 MMBtu/hr (22 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>47C-OPTION = COMS exemption § 60.47c(e) for a facility not using post-combustion technology (except a wet scrubber), burns only gaseous fuels or fuel oils that contain no more than 0.5 % by weight sulfur, and emissions of CO are 0.15 lb/MMBtu average.</p> <p>ACF OPTION - SO₂ = Other ACF or no ACF.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR22	40 CFR Part 60, Subpart Db	60Db	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = No NO_x monitoring.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO₂ Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J.</p> <p>Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft³.</p> <p>ACF Option - NO_x = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-HR23	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After June 9, 1989 but on or before February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>47C-OPTION = COMS exemption § 60.47c(e) for a facility not using post-combustion technology (except a wet scrubber), burns only gaseous fuels or fuel oils that contain no more than 0.5 % by weight sulfur, and emissions of CO are 0.15 lb/MMBtu average.</p> <p>ACF OPTION - SO₂ = Coal ACF greater than 55%.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
HR16.001	40 CFR Part 60, Subpart Db	60Db	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>60.43b(h)(2) Alternative = The facility is not electing to use the alternative requirements of § 60.43b(h)(2) for PM.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = No NO_x monitoring.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO₂ Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft³.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO_x = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
HR16.002	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>ACF OPTION - SO₂ = Other ACF or no ACF.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p> <p>30% COAL DUCT BURNER = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
HR17.001	40 CFR Part 60, Subpart Db	60Db	<p>60.42b(k)(2) Low Sulfur Exemption = The § 60.42b(k)(2) exemption applies.</p> <p>Construction/Modification Date = Constructed or reconstructed after February 28, 2005.</p> <p>D-Series Fuel Type #1 = Natural gas.</p> <p>Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW).</p> <p>PM Monitoring Type = No particulate monitoring.</p> <p>Opacity Monitoring Type = No particulate (opacity) monitoring.</p> <p>Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da.</p> <p>60.43b(h)(2) Alternative = The facility is not electing to use the alternative requirements of § 60.43b(h)(2) for PM.</p> <p>Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281.</p> <p>NOx Monitoring Type = No NO_x monitoring.</p> <p>Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical.</p> <p>SO₂ Monitoring Type = No SO₂ monitoring.</p> <p>Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA.</p> <p>Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK.</p> <p>Technology Type = None.</p> <p>ACF Option - SO₂ = Other ACF or no ACF.</p> <p>Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines.</p> <p>Unit Type = OTHER UNIT TYPE</p> <p>ACF Option - PM = Other ACF or no ACF.</p> <p>Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft³.</p> <p>60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative.</p> <p>ACF Option - NO_x = Other ACF or no ACF.</p> <p>Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels.</p> <p>60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
HR17.002	40 CFR Part 60, Subpart Dc	60Dc	<p>CONSTRUCTION/MODIFICATION DATE = After February 28, 2005.</p> <p>PM MONITORING TYPE = No particulate monitoring.</p> <p>MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW).</p> <p>SO₂ INLET MONITORING TYPE = No SO₂ monitoring.</p> <p>OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB.</p> <p>SO₂ OUTLET MONITORING TYPE = No SO₂ monitoring.</p> <p>HEAT INPUT CAPACITY = Heat input capacity is greater than 10 MMBtu/hr (2.9 MW) but less than 30 MMBtu/hr (8.7 MW).</p> <p>TECHNOLOGY TYPE = None.</p> <p>D-SERIES FUEL TYPE = Natural gas.</p> <p>ACF OPTION - SO₂ = Other ACF or no ACF.</p> <p>ACF OPTION - PM = Other ACF or no ACF.</p> <p>30% COAL DUCT BURNER = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.</p>
GRP-FL20	30 TAC Chapter 111, Visible Emissions	R1111	<p>ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.</p>
GRP-FL20	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<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 = No alternative monitoring and test methods are used.</p> <p>MINOR MODIFICATION = No minor modifications to the monitoring and test methods are used.</p> <p>TANK SERVICE = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> <p>FLARE TYPE = Flare is complying with the requirements of § 115.725(d) to demonstrate compliance.</p>
GRP-FL20	40 CFR Part 60, Subpart A	60A	<p>SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted</p>
GRP-FL20	40 CFR Part 63, Subpart A	63A	<p>REQUIRED UNDER 40 CFR 63 = Flare is required by a Subpart under 40 CFR Part 63.</p> <p>HEAT CONTENT SPECIFICATION = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8).</p> <p>FLARE ASSIST TYPE = Air assisted</p>
GRP-FL21	30 TAC Chapter 111, Visible Emissions	R1111	<p>ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FL21	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<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 = No alternative monitoring and test methods are used.</p> <p>MINOR MODIFICATION = No minor modifications to the monitoring and test methods are used.</p> <p>TANK SERVICE = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> <p>FLARE TYPE = Flare is complying with the requirements of § 115.725(d) to demonstrate compliance.</p>
GRP-FL21	40 CFR Part 60, Subpart A	60A	<p>SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted</p>
GRP-FL22	30 TAC Chapter 111, Visible Emissions	R1111	<p>ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.</p>
GRP-FL23	30 TAC Chapter 111, Visible Emissions	R1111	<p>ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.</p>
GRP-FL23	30 TAC Chapter 115, HRVOC Vent Gas	R5720	<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 = No alternative monitoring and test methods are used.</p> <p>MINOR MODIFICATION = No minor modifications to the monitoring and test methods are used.</p> <p>TANK SERVICE = Flare is not in dedicated service for storage tanks with 95% or greater of an individual HRVOC.</p> <p>FLARE TYPE = Flare is complying with the requirements of § 115.725(d) to demonstrate compliance.</p>
GRP-FL24	30 TAC Chapter 111, Visible Emissions	R1111	<p>ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1.</p> <p>EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.</p>
GRP-FL24	40 CFR Part 60, Subpart A	60A	<p>SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18.</p> <p>ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4).</p> <p>FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Air-assisted</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT21	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
GRP-GT21	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT22	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT22	40 CFR Part 60, Subpart GG	60GG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT23	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p>
GRP-GT23	40 CFR Part 60, Subpart GG	60GG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT24	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p>
GRP-GT24	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT25	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT25	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT26	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 1 MW and less than 10 MW and unit is not an opt-in unit.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
GRP-GT26	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT27	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 1 MW and less than 10 MW and unit is not an opt-in unit.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
GRP-GT27	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT28	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT28	40 CFR Part 60, Subpart GG	60GG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT29	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p>
GRP-GT29	40 CFR Part 60, Subpart KKKK	60KKKK	<p>75% OF PEAK = The combustion turbine operates at less than 75% of peak load.</p> <p>UNIT TYPE = Regenerative Cycle Combustion Turbine</p> <p>30 MW = The combustion turbine has an output of less than 30 MW.</p> <p>CONSTRUCTION/MODIFICATION DATE = Turbine was constructed after February 18, 2005.</p> <p>SO₂ STANDARD = The heat input based SO₂ emission standard in § 60.4330(a)(2) or (a)(3) is being used.</p> <p>FUEL MONITORING = Monitoring fuel for sulfur content.</p> <p>HEAT INPUT = Turbine has a heat input at peak load of at least 50 MMBtu/hr but less than 850 MMBtu/hr.</p> <p>NOX CONTROL = NO_x emissions are not being controlled by steam or water injection.</p> <p>SUBJECT TO Da = The combustion turbine is not located at an integrated gasification combined cycle electric utility steam generating unit subject to Subpart Da of Part 60.</p> <p>NOX MONITORING = A diluent NO_x CEMS is used.</p> <p>PERFORMANCE TEST = Sulfur content of the fuel combusted in the turbine is being periodically determined.</p> <p>SERVICE TYPE = Service other than emergency service, as defined in § 60.4420(i), or research and development.</p> <p>INTERMEDIATE STORAGE = Fuel is supplied directly without intermediate storage.</p> <p>NOX STANDARD = The parts per million NO_x emission standard in Table 1 is being used.</p> <p>FUEL SCHEDULES = Custom fuel monitoring schedule described in § 60.4370(c)(1).</p> <p>FUEL TYPE = 100% natural gas.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT29	40 CFR Part 63, Subpart YYYY	63YYYY	<p>CONSTRUCTION/RECONSTRUCTION DATE = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>RATED PEAK POWER OUTPUT = Power output rating is one megawatt or greater.</p> <p>TYPE OF SERVICE = Turbine is used in non-emergency service.</p> <p>FUEL FIRED = Turbine is fired with natural gas.</p>
GRP-GT30	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
GRP-GT30	40 CFR Part 60, Subpart KKKK	60KKKK	<p>75% OF PEAK = The combustion turbine operates at less than 75% of peak load.</p> <p>UNIT TYPE = Regenerative Cycle Combustion Turbine</p> <p>30 MW = The combustion turbine has an output of less than 30 MW.</p> <p>CONSTRUCTION/MODIFICATION DATE = Turbine was modified after February 18, 2005.</p> <p>SO₂ STANDARD = The heat input based SO₂ emission standard in § 60.4330(a)(2) or (a)(3) is being used.</p> <p>FUEL MONITORING = Monitoring fuel for sulfur content.</p> <p>HEAT INPUT = Turbine has a heat input at peak load of at least 10 MMBtu per hour but less than 50 MMBtu per hour.</p> <p>NOX CONTROL = NO_x emissions are not being controlled by steam or water injection.</p> <p>SUBJECT TO Da = The combustion turbine is not located at an integrated gasification combined cycle electric utility steam generating unit subject to Subpart Da of Part 60.</p> <p>NOX MONITORING = Compliance is demonstrated with annual performance tests.</p> <p>PERFORMANCE TEST = Sulfur content of the fuel combusted in the turbine is being periodically determined.</p> <p>SERVICE TYPE = Service other than emergency service, as defined in § 60.4420(i), or research and development.</p> <p>INTERMEDIATE STORAGE = Fuel is supplied directly without intermediate storage.</p> <p>NOX STANDARD = The parts per million NO_x emission standard in Table 1 is being used.</p> <p>FUEL SCHEDULES = Custom fuel monitoring schedule described in § 60.4370(c)(1).</p> <p>FUEL TYPE = 100% natural gas.</p>
GRP-GT30	40 CFR Part 63, Subpart YYYY	63YYYY	<p>CONSTRUCTION/RECONSTRUCTION DATE = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>RATED PEAK POWER OUTPUT = Power output rating is one megawatt or greater.</p> <p>TYPE OF SERVICE = Turbine is used in non-emergency service.</p> <p>FUEL FIRED = Turbine is fired with natural gas.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT31	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NH₃ EMISSION LIMITATION = Title 30 TAC § 117.310(c)(2).</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Post combustion control technique with ammonia injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NH₃ MONITORING = Continuous emissions monitoring system.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p>
GRP-GT31	40 CFR Part 60, Subpart KKKK	60KKKK	<p>75% OF PEAK = The combustion turbine operates at less than 75% of peak load.</p> <p>UNIT TYPE = Regenerative Cycle Combustion Turbine</p> <p>30 MW = The combustion turbine has an output of less than 30 MW.</p> <p>CONSTRUCTION/MODIFICATION DATE = Turbine was modified after February 18, 2005.</p> <p>SO₂ STANDARD = The heat input based SO₂ emission standard in § 60.4330(a)(2) or (a)(3) is being used.</p> <p>FUEL MONITORING = Monitoring fuel for sulfur content.</p> <p>HEAT INPUT = Turbine has a heat input at peak load of at least 50 MMBtu/hr but less than 850 MMBtu/hr.</p> <p>NOX CONTROL = NO_x emissions are not being controlled by steam or water injection.</p> <p>SUBJECT TO Da = The combustion turbine is not located at an integrated gasification combined cycle electric utility steam generating unit subject to Subpart Da of Part 60.</p> <p>NOX MONITORING = A diluent NO_x CEMS is used.</p> <p>PERFORMANCE TEST = Sulfur content of the fuel combusted in the turbine is being periodically determined.</p> <p>SERVICE TYPE = Service other than emergency service, as defined in § 60.4420(i), or research and development.</p> <p>INTERMEDIATE STORAGE = Fuel is supplied directly without intermediate storage.</p> <p>NOX STANDARD = The parts per million NO_x emission standard in Table 1 is being used.</p> <p>FUEL SCHEDULES = Custom fuel monitoring schedule described in § 60.4370(c)(1).</p> <p>FUEL TYPE = 100% natural gas.</p>
GRP-GT31	40 CFR Part 63, Subpart YYYY	63YYYY	<p>CONSTRUCTION/RECONSTRUCTION DATE = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>RATED PEAK POWER OUTPUT = Power output rating is one megawatt or greater.</p> <p>TYPE OF SERVICE = Turbine is used in non-emergency service.</p> <p>FUEL FIRED = Turbine is fired with natural gas.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT32	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
GRP-GT32	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT33	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT33	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT34	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Water or steam injection.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
GRP-GT34	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = After October 3, 1977 and on or before January 27, 1982.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT35	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Continuous emissions monitoring system.</p>
GRP-GT35	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
GRP-GT36	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-GT36	40 CFR Part 60, Subpart KKKK	60KKKK	<p>75% OF PEAK = The combustion turbine operates at less than 75% of peak load.</p> <p>UNIT TYPE = Regenerative Cycle Combustion Turbine</p> <p>30 MW = The combustion turbine has an output of less than 30 MW.</p> <p>CONSTRUCTION/MODIFICATION DATE = Turbine was modified after February 18, 2005.</p> <p>SO₂ STANDARD = The heat input based SO₂ emission standard in § 60.4330(a)(2) or (a)(3) is being used.</p> <p>FUEL MONITORING = Monitoring fuel for sulfur content.</p> <p>HEAT INPUT = Turbine has a heat input at peak load of at least 10 MMBtu per hour but less than 50 MMBtu per hour.</p> <p>NOX CONTROL = NO_x emissions are not being controlled by steam or water injection.</p> <p>SUBJECT TO Da = The combustion turbine is not located at an integrated gasification combined cycle electric utility steam generating unit subject to Subpart Da of Part 60.</p> <p>NOX MONITORING = Compliance is demonstrated with annual performance tests.</p> <p>PERFORMANCE TEST = Sulfur content of the fuel combusted in the turbine is being periodically determined.</p> <p>SERVICE TYPE = Service other than emergency service, as defined in § 60.4420(i), or research and development.</p> <p>INTERMEDIATE STORAGE = Fuel is supplied directly without intermediate storage.</p> <p>NOX STANDARD = The parts per million NO_x emission standard in Table 1 is being used.</p> <p>FUEL SCHEDULES = Custom fuel monitoring schedule described in § 60.4370(c)(1).</p> <p>FUEL TYPE = 100% natural gas.</p>
GRP-GT36	40 CFR Part 63, Subpart YYYY	63YYYY	<p>CONSTRUCTION/RECONSTRUCTION DATE = Turbine was constructed, modified or reconstructed after 1/14/2003.</p> <p>RATED PEAK POWER OUTPUT = Power output rating is one megawatt or greater.</p> <p>TYPE OF SERVICE = Turbine is used in non-emergency service.</p> <p>FUEL FIRED = Turbine is fired with natural gas.</p>
P2GT0127	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
P2GT0127	40 CFR Part 60, Subpart GG	60GG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
P2GT0227	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
P2GT0227	40 CFR Part 60, Subpart GG	60GG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
WFGT0500	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>
WFGT0500	40 CFR Part 60, Subpart GG	6oGG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>
WFGT0600	30 TAC Chapter 117, Subchapter B	R7300	<p>FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a).</p> <p>MEGAWATT RATING = MR is greater than or equal to 10 MW and less than 30 MW.</p> <p>CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1).</p> <p>EGF SYSTEM CAP UNIT = The engine is not used as an electric generating facility to generate electricity for sale to the electric grid.</p> <p>AVERAGING METHOD = Complying with the applicable emission limits using a block one-hour average.</p> <p>CO MONITORING SYSTEM = Monitoring other than CEMS, PEMS or steam/fuel or water/fuel ratio monitoring.</p> <p>NOX REDUCTIONS/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = No NO_x reduction.</p> <p>SERVICE TYPE/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Stationary gas turbine.</p> <p>NOX EMISSION LIMITATION = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(10) or 117.310(a)(11).</p> <p>NOX MONITORING SYSTEM = Maximum emission rate testing.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
WFGT0600	40 CFR Part 60, Subpart GG	60GG	<p>PEAK LOAD HEAT INPUT [NSPS GG] = Heat Input is greater or equal to 10 MMBtu/hr (10.7 GJ/hr) and less than or equal to 100 MMBtu/hr (107.2 GJ/hr).</p> <p>CONSTRUCTION/MODIFICATION DATE [NSPS GG] = On or after October 3, 1982 and before July 8, 2004.</p> <p>SULFUR CONTENT [NSPS GG] = Compliance is demonstrated by determining the sulfur content of the fuel.</p> <p>TURBINE CYCLE = Unit recovers heat from the gas turbine exhaust to preheat inlet combustion air.</p> <p>FUEL TYPE FIRED = Natural gas meeting the definition in § 60.331(u).</p> <p>FUEL SUPPLY [NSPS GG] = Stationary gas turbine is supplied its fuel without intermediate bulk storage.</p> <p>FUEL MONITORING SCHEDULE = Using the custom fuel monitoring schedule set forth in 40 CFR § 60.334(i)(3)(i).</p>

Unit ID	Regulation	Index Number	Basis of Determination*
FRAC F V	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R115D	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
FRAC F V	40 CFR Part 60,	60KKK	Closed Vent Systems = Closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart KKK		<p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p> <p>Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984.</p> <p>Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.</p> <p>Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-6 = Complying with 40 CFR 60.482-6.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p> <p>Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p> <p>Compressors = Compressor in VOC or Wet Gas Service.</p> <p>Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Other Control Device = No nonflare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Flanges and Other Connectors = Flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = Pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.</p> <p>Flare = Flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Complying with 40 CFR 60.482-4.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Complying With § 60.482-7 = Complying with 40 CFR 60.482-7. Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.

Unit ID	Regulation	Index Number	Basis of Determination*
FRAC F VI	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R115D	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = YES</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)-- VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTON SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
FRAC F VI	40 CFR Part 60,	60KKK	Closed Vent Systems = Closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.

Unit ID	Regulation	Index Number	Basis of Determination*
	Subpart KKK		<p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p> <p>Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984.</p> <p>Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.</p> <p>Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-6 = Complying with 40 CFR 60.482-6.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p> <p>Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p> <p>Compressors = Compressor in VOC or Wet Gas Service.</p> <p>Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Other Control Device = No nonflare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Flanges and Other Connectors = Flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.</p> <p>Flare = Flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Complying with 40 CFR 60.482-4.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7. Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p>
GRP-FU20	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES FLANGES = YES OPEN-ENDED VALVES ANDLINES = YES PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES PROCESS DRAINS/VOC SERVICE [REG V] = NO PUMP SEALS IN VOC SERVICE [REG V] = YES RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE. Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10. VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO ACR = NO ACR FOR FLANGES = NO ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169 Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components. SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169 WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES TVP OF PROCESS FLUID > 0.044 PSIA = YES TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU20	40 CFR Part 60, Subpart VV	60VV	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEM [NSPS VV] = YES</p> <p>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NSPS VV] = NO CLOSED VENT SYSTEM WITH ENCLOSED COMBUSTION DEVICE AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NSPS VV] = CLOSED VENT SYSTEM WITH FLARE AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NSPS VV] = NO CLOSED VENT SYSTEM WITH VAPOR RECOVERY SYSTEM AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>COMPRESSORS (ANY SERVICE) [NSPS VV] = COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIPMENT IN VACUUM SERVICE [NSPS VV] = ANY EQUIPMENT IN VACUUM SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS VV] = OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRESSURE RELIEF DEVICES IN HEAVY LIQUID SERVICE = NO</p> <p>PRODUCES CHEMICALS LISTED IN 40 CFR 60.489 = PRODUCES AS INTERMEDIATE OR FINAL PRODUCT ONE OR MORE CHEMICALS LISTED IN 40 CFR 60.489</p> <p>VALVES HEAVY LIQUID SERVICE [NSPS VV] = NO VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>AFFECTED FACILITY AS DEFINED IN 40 CFR 60.480(A)(2) = FACILITY IS AN AFFECTED FACILITY AS DEFINED IN 40 CFR 60.480(A)(2)</p> <p>EQUIVALENT EMISSION LIMITATION (EEL) UNDER 40 CFR 60.482-1(C) = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--COMPRESSORS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--CVS/FLARE [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES/LINES [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>PUMPS IN LIGHT LIQUID SERVICE [NSPS VV] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>40 CFR 60 (NSPS) SUBPART VV CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = AFTER JANUARY 5, 1981</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>40 CFR 60 SUBPART VV DESIGN CAPACITY = SITE WITH DESIGN CAPACITY GREATER THAN OR EQUAL TO 1,000 MEGAGRAMS PER YEAR</p> <p>COMPLYING W/ 40 CFR 60.482-10--CLOSED VENT SYSTEM W/ FLARE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-10</p> <p>COMPLYING W/ 40 CFR 60.482-3--COMPRESSORS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-3</p> <p>COMPLYING W/ 40 CFR 60.482-6--OPEN-ENDED VALVES OR LINES [NSPS VV] = COMPLYING WITH 40 CFR 60.482-6</p> <p>COMPLYING WITH 60.482-10 (NSPS VV) = YES</p> <p>COMPLYING W/ 40 CFR 60.482-2--PUMPS LIGHT LIQUID SERVICE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-2</p> <p>FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS VV] = FLANGES OR CONNECTORS IN ANY SERVICE</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRESSURE RELIEF DEVICES GAS/VAPOR SERVICE [NSPS VV] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRODUCES HEAVY LIQUID CHEMICALS FROM HEAVY LIQUID FEED/RAW MATERIAL [NSPS VV] = THE FACILITY PRODUCES OTHER THAN HEAVY LIQUID CHEMICALS ONLY FROM HEAVY LIQUID FEED OR RAW MATERIALS</p> <p>SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS VV] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>VALVES GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS VV] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>BEVERAGE ALCOHOL PRODUCTION [NSPS VV] = THE FACILITY DOES NOT PRODUCE BEVERAGE ALCOHOL</p> <p>COMPLY WITH §60.482-4(A)-(B) = YES</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--FLANGES/CONNECTORS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>PUMPS IN HEAVY LIQUID SERVICE [NSPS VV] = NO PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CONTAINS EQUIPMENT DESIGNED TO OPERATE IN VOC SERVICE [NSPS VV] = FACILITY CONTAINS EQUIPMENT DESIGNED TO OPERATE IN VOC SERVICE</p> <p>PRESSURE RELIEF DEVICES IN LIGHT LIQUID SERVICE = YES</p> <p>COMPLYING W/ 40 CFR 60.482-5--SAMPLING CONNECTION SYSTEMS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-5</p> <p>COMPLYING W/ 40 CFR 60.482-7--VALVES GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-7</p> <p>COMPLYING W/ 40 CFR 60.482-8--FLANGES AND OTHER CONNECTORS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-8</p> <p>EQUIVALENT EMISSION LIMIT = NO</p> <p>COMPLYING WITH § 60.482-8 = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU21	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU22	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
GRP-FU22	40 CFR Part 60, Subpart KKK	6oKKK	<p>Closed Vent Systems = Closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984.</p> <p>Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.</p> <p>Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-6 = Not complying with 40 CFR 60.482-6.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p> <p>Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p> <p>Compressors = Compressor not in VOC or Wet Gas Service.</p> <p>Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Other Control Device = No nonflare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.</p> <p>Flare = Flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Complying with 40 CFR 60.482-4.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU22	40 CFR Part 63, Subpart HH	63HH	ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION SUBJECT TO ANOTHER REGULATION = FUGITIVE UNIT SUBJECT TO AND COMPLYING WITH 40 CFR PART 60, SUBPART KKK
GRP-FU23	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU23	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU24	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU24	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU25	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU25	40 CFR Part 63, Subpart HH	63HH	<p>ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION</p> <p>CLOSED VENT SYSTEM AMEL = NO APPROVED ALTERNATE</p> <p>COMPRESSORS = COMPONENT PRESENT</p> <p>ENCLOSED COMBUSTION DEVICE = COMPONENT NOT PRESENT</p> <p>FLANGES AND OTHER CONNECTORS = COMPONENT PRESENT</p> <p>FLARE = COMPONENT PRESENT</p> <p>OPEN-ENDED VALVES OR LINES = COMPONENT PRESENT</p> <p>PRESSURE RELIEF DEVICE IN GAS/VAPOR SERVICE = COMPONENT PRESENT</p> <p>PRESSURE RELIEF DEVICE IN LIQUID SERVICE = COMPONENT PRESENT</p> <p>PRODUCT ACCUMULATOR VESSEL = COMPONENT NOT PRESENT</p> <p>PUMPS = COMPONENT PRESENT</p> <p>VALVES = COMPONENT PRESENT</p> <p>VAPOR RECOVERY SYSTEM = COMPONENT NOT PRESENT</p> <p>AMEL = NO APPROVED ALTERNATE</p> <p>DESIGN CAPACITY LESS THAN 283,000 = PLANT IS FRACTIONATING OR NON-FRACTIONATING WITH DESIGN CAPACITY GREATER THAN 283,000 SCM/DAY</p> <p>RECIPROCATING COMPRESSORS IN WET GAS SERVICE = SOME OR ALL COMPRESSORS DO NOT MEET THE CRITERIA</p> <p>RELIEF DEVICE MONITORING = DEVICE IS NOT AT A NONFRACTIONATING FACILITY MONITORED ONLY BY NON-FACILITY PERSONNEL</p> <p>AMEL = NO APPROVED ALTERNATE</p> <p>CLOSED VENT SYSTEM COMPLYING WITH § 61.242-11(F)(1) = YES</p> <p>DESIGN CAPACITY LESS THAN 283,000 = PLANT IS FRACTIONATING OR NON-FRACTIONATING WITH DESIGN CAPACITY GREATER THAN 283,000 SCM/DAY</p> <p>SUBJECT TO ANOTHER REGULATION = FUGITIVE UNIT SUBJECT TO AND COMPLYING WITH 40 CFR PART 63, SUBPART HH</p> <p>AMEL = NO APPROVED ALTERNATE</p> <p>COMPLYING WITH § 61.242-11(D) = YES</p> <p>COMPLYING WITH § 61.242-6 = NO</p> <p>COMPLYING WITH § 61.242-8 = NO</p> <p>VHAP WEIGHT PERCENT = COMPRESSOR AND/OR ANCILLARY EQUIPMENT CONTACT A PROCESS FLUID WITH A VHAP CONCENTRATION OF AT LEAST 10% BY WEIGHT.</p> <p>COMPLYING WITH § 61.242-7 = YES</p> <p>COMPRESSORS COMPLYING WITH § 61.242-3 = YES</p> <p>LESS THAN 300 OPERATING HOURS = ALL COMPRESSORS OR ANCILLARY EQUIPMENT OPERATE 300 HOURS OR MORE PER YEAR IN VHAP SERVICE.</p> <p>PUMPS COMPLYING WITH § 61.242-2 = YES</p> <p>COMPLYING WITH § 61.242-4 = YES</p> <p>VACUUM SERVICE = NO COMPRESSORS OR ANCILLARY EQUIPMENT OPERATE IN VACUUM SERVICE.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU26	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
GRP-FU26	40 CFR Part 60, Subpart KKK	6oKKK	<p>Closed Vent Systems = Closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984.</p> <p>Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.</p> <p>Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-6 = Complying with 40 CFR 60.482-6.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p> <p>Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p> <p>Compressors = Compressor in VOC or Wet Gas Service.</p> <p>Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Other Control Device = No nonflare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Flanges and Other Connectors = No flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.</p> <p>Flare = Flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Complying with 40 CFR 60.482-4.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU26	40 CFR Part 63, Subpart HH	63HH	ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION SUBJECT TO ANOTHER REGULATION = FUGITIVE UNIT SUBJECT TO AND COMPLYING WITH 40 CFR PART 60, SUBPART KKK

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU27	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU28	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU28	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
GRP-FU28	40 CFR Part 60, Subpart VV	60VV	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEM [NSPS VV] = YES</p> <p>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NSPS VV] = NO CLOSED VENT SYSTEM WITH</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>ENCLOSED COMBUSTION DEVICE AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NSPS VV] = CLOSED VENT SYSTEM WITH FLARE AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NSPS VV] = NO CLOSED VENT SYSTEM WITH VAPOR RECOVERY SYSTEM AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>COMPRESSORS (ANY SERVICE) [NSPS VV] = COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIPMENT IN VACUUM SERVICE [NSPS VV] = NO EQUIPMENT IN VACUUM SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS VV] = OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRESSURE RELIEF DEVICES IN HEAVY LIQUID SERVICE = NO</p> <p>PRODUCES CHEMICALS LISTED IN 40 CFR 60.489 = PRODUCES AS INTERMEDIATE OR FINAL PRODUCT ONE OR MORE CHEMICALS LISTED IN 40 CFR 60.489</p> <p>VALVES HEAVY LIQUID SERVICE [NSPS VV] = NO VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>AFFECTED FACILITY AS DEFINED IN 40 CFR 60.480(A)(2) = FACILITY IS AN AFFECTED FACILITY AS DEFINED IN 40 CFR 60.480(A)(2)</p> <p>EQUIVALENT EMISSION LIMITATION (EEL) UNDER 40 CFR 60.482-1(C) = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--COMPRESSORS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--CVS/FLARE [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES/LINES [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>PUMPS IN LIGHT LIQUID SERVICE [NSPS VV] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>40 CFR 60 (NSPS) SUBPART VV CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = AFTER JANUARY 5, 1981</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>40 CFR 60 SUBPART VV DESIGN CAPACITY = SITE WITH DESIGN CAPACITY GREATER THAN OR EQUAL TO 1,000 MEGAGRAMS PER YEAR</p> <p>COMPLYING W/ 40 CFR 60.482-10--CLOSED VENT SYSTEM W/ FLARE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-10</p> <p>COMPLYING W/ 40 CFR 60.482-3--COMPRESSORS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-3</p> <p>COMPLYING W/ 40 CFR 60.482-6--OPEN-ENDED VALVES OR LINES [NSPS VV] = COMPLYING WITH 40 CFR 60.482-6</p> <p>COMPLYING WITH 60.482-10 (NSPS VV) = YES</p> <p>COMPLYING W/ 40 CFR 60.482-2--PUMPS LIGHT LIQUID SERVICE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-2</p> <p>FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS VV] = FLANGES OR CONNECTORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRESSURE RELIEF DEVICES GAS/VAPOR SERVICE [NSPS VV] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRODUCES HEAVY LIQUID CHEMICALS FROM HEAVY LIQUID FEED/RAW MATERIAL [NSPS VV] = THE FACILITY PRODUCES OTHER THAN HEAVY LIQUID CHEMICALS ONLY FROM HEAVY LIQUID FEED OR RAW MATERIALS</p> <p>SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS VV] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>VALVES GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS VV] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>BEVERAGE ALCOHOL PRODUCTION [NSPS VV] = THE FACILITY DOES NOT PRODUCE BEVERAGE ALCOHOL</p> <p>COMPLY WITH §60.482-4(A)-(B) = YES</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--FLANGES/CONNECTORS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>PUMPS IN HEAVY LIQUID SERVICE [NSPS VV] = NO PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CONTAINS EQUIPMENT DESIGNED TO OPERATE IN VOC SERVICE [NSPS VV] = FACILITY CONTAINS EQUIPMENT DESIGNED TO OPERATE IN VOC SERVICE</p> <p>PRESSURE RELIEF DEVICES IN LIGHT LIQUID SERVICE = NO</p> <p>COMPLYING W/ 40 CFR 60.482-5--SAMPLING CONNECTION SYSTEMS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-5</p> <p>COMPLYING W/ 40 CFR 60.482-8--FLANGES AND OTHER CONNECTORS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-8</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU29	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
GRP-FU29	40 CFR Part 60, Subpart KKK	6oKKK	<p>Closed Vent Systems = Closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984.</p> <p>Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.</p> <p>Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-6 = Complying with 40 CFR 60.482-6.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p> <p>Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p> <p>Compressors = Compressor in VOC or Wet Gas Service.</p> <p>Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Other Control Device = No nonflare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Flanges and Other Connectors = Flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.</p> <p>Flare = Flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Complying with 40 CFR 60.482-4.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.
GRP-FU29	40 CFR Part 63, Subpart HH	63HH	ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION SUBJECT TO ANOTHER REGULATION = FUGITIVE UNIT SUBJECT TO AND COMPLYING WITH 40 CFR PART 60, SUBPART KKK

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU30	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 10% VOC BY WEIGHT (PETROLEUM REFINERY, SYNTHETIC ORGANIC CHEMICAL, POLYMER RESIN OR MTBE MANUFACTURING PROCESSES) COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
GRP-FU30	40 CFR Part 60, Subpart VV	60VV	<p>CLOSED VENT (OR VAPOR COLLECTION) SYSTEM [NSPS VV] = YES</p> <p>CLOSED-VENT SYSTEM (CVS) WITH ENCLOSED COMBUSTION DEVICE [NSPS VV] = NO CLOSED VENT SYSTEM WITH</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>ENCLOSED COMBUSTION DEVICE AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CLOSED-VENT SYSTEM (CVS) WITH FLARE AS CONTROL DEVICE [NSPS VV] = CLOSED VENT SYSTEM WITH FLARE AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CLOSED-VENT SYSTEM (CVS) WITH VAPOR RECOVERY SYSTEM [NSPS VV] = NO CLOSED VENT SYSTEM WITH VAPOR RECOVERY SYSTEM AS CONTROL DEVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>COMPRESSORS (ANY SERVICE) [NSPS VV] = COMPRESSORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>EQUIPMENT IN VACUUM SERVICE [NSPS VV] = ANY EQUIPMENT IN VACUUM SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>OPEN-ENDED VALVES OR LINES (ANY SERVICE) [NSPS VV] = OPEN-ENDED VALVES OR LINES IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRESSURE RELIEF DEVICES IN HEAVY LIQUID SERVICE = NO</p> <p>PRODUCES CHEMICALS LISTED IN 40 CFR 60.489 = PRODUCES AS INTERMEDIATE OR FINAL PRODUCT ONE OR MORE CHEMICALS LISTED IN 40 CFR 60.489</p> <p>VALVES HEAVY LIQUID SERVICE [NSPS VV] = NO VALVES IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>AFFECTED FACILITY AS DEFINED IN 40 CFR 60.480(A)(2) = FACILITY IS AN AFFECTED FACILITY AS DEFINED IN 40 CFR 60.480(A)(2)</p> <p>EQUIVALENT EMISSION LIMITATION (EEL) UNDER 40 CFR 60.482-1(C) = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--COMPRESSORS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--CVS/FLARE [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--OPEN-ENDED VALVES/LINES [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>PUMPS IN LIGHT LIQUID SERVICE [NSPS VV] = PUMPS IN LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>40 CFR 60 (NSPS) SUBPART VV CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE = AFTER JANUARY 5, 1981</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--PUMPS LIGHT LIQUID SERVICE [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>40 CFR 60 SUBPART VV DESIGN CAPACITY = SITE WITH DESIGN CAPACITY GREATER THAN OR EQUAL TO 1,000 MEGAGRAMS PER YEAR</p> <p>COMPLYING W/ 40 CFR 60.482-10--CLOSED VENT SYSTEM W/ FLARE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-10</p> <p>COMPLYING W/ 40 CFR 60.482-3--COMPRESSORS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-3</p> <p>COMPLYING W/ 40 CFR 60.482-6--OPEN-ENDED VALVES OR LINES [NSPS VV] = COMPLYING WITH 40 CFR 60.482-6</p> <p>COMPLYING WITH 60.482-10 (NSPS VV) = YES</p> <p>COMPLYING W/ 40 CFR 60.482-2--PUMPS LIGHT LIQUID SERVICE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-2</p> <p>FLANGES AND OTHER CONNECTORS (ANY SERVICE) [NSPS VV] = FLANGES OR CONNECTORS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRESSURE RELIEF DEVICES GAS/VAPOR SERVICE [NSPS VV] = PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE</p>

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			<p>ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>PRODUCES HEAVY LIQUID CHEMICALS FROM HEAVY LIQUID FEED/RAW MATERIAL [NSPS VV] = THE FACILITY PRODUCES OTHER THAN HEAVY LIQUID CHEMICALS ONLY FROM HEAVY LIQUID FEED OR RAW MATERIALS</p> <p>SAMPLING CONNECTION SYSTEMS (ANY SERVICE) [NSPS VV] = SAMPLING CONNECTION SYSTEMS IN ANY SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>VALVES GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS VV] = VALVES IN GAS/VAPOR OR LIGHT LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>BEVERAGE ALCOHOL PRODUCTION [NSPS VV] = THE FACILITY DOES NOT PRODUCE BEVERAGE ALCOHOL</p> <p>COMPLY WITH §60.482-4(A)-(B) = YES</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--FLANGES/CONNECTORS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--SAMPLING CONNECTION SYSTEMS [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>EQUIVALENT EMISSION LIMITATION (EEL)--VALVES GAS/VAPOR, LIGHT LIQUID SVC [NSPS VV] = NOT USING EQUIVALENT EMISSION LIMITATION (EEL).</p> <p>PUMPS IN HEAVY LIQUID SERVICE [NSPS VV] = NO PUMPS IN HEAVY LIQUID SERVICE ADDRESSED IN 40 CFR 60 (NSPS) SUBPART VV INCLUDED IN THE FUGITIVE UNIT.</p> <p>CONTAINS EQUIPMENT DESIGNED TO OPERATE IN VOC SERVICE [NSPS VV] = FACILITY CONTAINS EQUIPMENT DESIGNED TO OPERATE IN VOC SERVICE</p> <p>PRESSURE RELIEF DEVICES IN LIGHT LIQUID SERVICE = YES</p> <p>COMPLYING W/ 40 CFR 60.482-5--SAMPLING CONNECTION SYSTEMS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-5</p> <p>COMPLYING W/ 40 CFR 60.482-7--VALVES GAS/VAPOR OR LIGHT LIQUID SERVICE [NSPS VV] = COMPLYING WITH 40 CFR 60.482-7</p> <p>COMPLYING W/ 40 CFR 60.482-8--FLANGES AND OTHER CONNECTORS [NSPS VV] = COMPLYING WITH 40 CFR 60.482-8</p> <p>EQUIVALENT EMISSION LIMIT = NO</p> <p>COMPLYING WITH § 60.482-8 = YES</p>
GRP-FU30	40 CFR Part 63, Subpart H	63H	<p>ANY (CLOSED VENT SYSTEMS) = COMPONENT NOT PRESENT</p> <p>ANY (OPEN-ENDED VALVES OR LINES) = COMPONENT NOT PRESENT</p> <p>BYPASS LINES = FUGITIVE UNIT WITH A CLOSED-VENT SYSTEM DOES NOT CONTAIN A BY-PASS LINE THAT COULD DIVERT A VENT STREAM AWAY FROM THE CONTROL DEVICE AND TO THE ATMOSPHERE</p> <p>EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE</p> <p>GAS/VAPOR OR LIGHT LIQUID SERVICE (AGITATORS) = COMPONENT NOT PRESENT</p> <p>LIGHT LIQUID SERVICE (PUMPS) = COMPONENT PRESENT</p> <p>HEAVY LIQUID SERVICE (AGITATORS) = COMPONENT NOT PRESENT</p> <p>HEAVY LIQUID SERVICE (OPEN-ENDED VALVES OR LINES) = COMPONENT NOT PRESENT</p> <p>HEAVY LIQUID SERVICE (PUMPS) = COMPONENT NOT PRESENT</p> <p>NON RESEARCH AND DEVELOPMENT/BATCH PROCESSES = FUGITIVE UNIT CONTAINS PROCESSES OTHER THAN RESEARCH AND DEVELOPMENT FACILITIES AND BENCH-SCALE BATCH PROCESSES</p> <p>UNSAFE TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>DESIGNATED AS UNSAFE TO INSPECT</p> <p>ANY (INSTRUMENTATION SYSTEMS) = COMPONENT NOT PRESENT</p> <p>DIFFICULT TO INSPECT = FUGITIVE UNIT CONTAINS ANY CLOSED-VENT SYSTEM WITH PARTS DESIGNATED AS DIFFICULT TO INSPECT</p> <p>GAS/VAPOR OR LIGHT LIQUID SERVICE (VALVES) = COMPONENT PRESENT</p> <p>QIP = UNIT DOES NOT OPT TO COMPLY WITH A QUALITY IMPROVEMENT PROGRAM FOR PUMPS</p> <p>VACUUM SERVICE = NOT ALL OF THE EQUIPMENT IN THE FUGITIVE UNIT IS IN VACUUM SERVICE</p> <p>ANY (COMPRESSORS) = COMPONENT PRESENT</p> <p>EMPLOYEE NUMBER = THE CORPORATION EMPLOYS 100 OR MORE PERSONS</p> <p>HEAVY LIQUID SERVICE (INSTRUMENTATION SYSTEMS) = COMPONENT NOT PRESENT</p> <p>HEAVY LIQUID SERVICE (VALVES) = COMPONENT NOT PRESENT</p> <p>LESS THAN 300 OPERATING HOURS = THE FUGITIVE UNIT CONTAINS ANY EQUIPMENT IN ORGANIC HAZARDOUS AIR POLLUTANT (HAP) SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR</p> <p>ANY (SURGE CONTROL VESSELS OR BOTTOMS RECEIVERS) = COMPONENT NOT PRESENT</p> <p>GAS VAPOR SERVICE (PRESSURE RELIEF DEVICES) = COMPONENT PRESENT</p> <p>HEAVY LIQUID SERVICE = NONE OF THE EQUIPMENT IN ORGANIC HAP SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR IS IN HEAVY LIQUID SERVICE</p> <p>QIP = UNIT DOES NOT OPT TO COMPLY WITH A QUALITY IMPROVEMENT PROGRAM FOR VALVES</p> <p>AMEL = FUGITIVE UNIT SOURCE OWNER/OPERATOR IS NOT ELECTING TO COMPLY WITH AN ALTERNATIVE MEANS OF EMISSION LIMITATION (AMEL)</p> <p>GAS/VAPOR OR LIGHT LIQUID SERVICE (CONNECTORS) = COMPONENT PRESENT</p> <p>HEAVY LIQUID SERVICE (SURGE CONTROL VESSELS OR BOTTOMS RECEIVERS) = COMPONENT NOT PRESENT</p> <p>LIQUID SERVICE (PRESSURE RELIEF DEVICES) = COMPONENT NOT PRESENT</p> <p>HEAVY LIQUID SERVICE (CONNECTORS) = COMPONENT NOT PRESENT</p> <p>HEAVY LIQUID SERVICE (PRESSURE RELIEF DEVICES) = COMPONENT NOT PRESENT</p> <p>ANY (SAMPLING CONNECTION SYSTEMS) = COMPONENT PRESENT</p> <p>HEAVY LIQUID SERVICE (SAMPLING CONNECTION SYSTEMS) = COMPONENT NOT PRESENT</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU31	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU31	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = NO</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU32	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU32	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU33	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU33	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = SITE HAS RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU34	30 TAC Chapter 115, HRVOC Fugitive Emissions	R115H	<p>Agitators = The fugitive unit does not contain agitators.</p> <p>Compressor Seals = The fugitive unit contains compressor seals.</p> <p>Open-ended Valves or Lines = The fugitive unit contains open-ended valves or lines.</p> <p>Process Drains = The fugitive unit does not contain process drains.</p> <p>Title 30 TAC §115.780 Applicable = The fugitive unit contains a defined process and Highly Reactive VOC.</p> <p>Valves (not pressure relief, open-ended or bypass line valves) = The fugitive unit contains valves other than pressure relief, open-ended or bypass line valves.</p> <p>Weight Percent HRVOC = Components in the fugitive unit contact process fluids that contain less than 5.0% HRVOC by weight and process fluids that contain HRVOC at 5.0%, or greater, by weight on an annual average basis.</p> <p>Bypass Line Valves = The fugitive unit does not contain bypass line valves.</p> <p>Flanges or Other Connectors = The fugitive unit contains flanges or other connectors.</p> <p>Heat Exchanger Heads, etc. = The fugitive unit contains heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolter manways, hatches, sump covers, junction vent boxes or covers and seals on VOC water separators.</p> <p>Pressure Relief Valves = The fugitive unit contains pressure relief valves.</p> <p>Pump Seals = The fugitive unit contains pump seals.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU34	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352	<p>COMPRESSOR SEALS/VOC SERVICE [REG V] = YES</p> <p>FLANGES = YES</p> <p>OPEN-ENDED VALVES ANDLINES = YES</p> <p>PRESSURE RELIEF VALVES IN GASEOUS VOC SERVICE [REG V] = YES</p> <p>PROCESS DRAINS/VOC SERVICE [REG V] = NO</p> <p>PUMP SEALS IN VOC SERVICE [REG V] = YES</p> <p>RUPTURE DISKS = RELIEF VALVES EQUIPPED WITH A RUPTURE DISK OR VENTING TO A CONTROL DEVICE ARE IN USE.</p> <p>Title 30 TAC § 115.352 Applicable = Site is a petroleum refinery, synthetic organic chemical, polymer resin or methyl tert-butyl ether (MTBE) manufacturing process or a natural gas/gasoline processing operation as defined in 30 TAC 115.10.</p> <p>VALVES OTHER THAN PRESSURE RELIEF OR OPEN-ENDED/VOC SERVICE [REG V] = NO</p> <p>ACR = NO</p> <p>ACR FOR FLANGES = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--COMPRESSOR SEALS [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PRESSURE RELIEF VALVES [REG V] = NO</p> <p>ALTERNATE CONTROL REQUIREMENT (ACR)--PUMP SEALS [REG V] = NO</p> <p>INSTRUMENTATION SYSTEMS = FUGITIVE UNIT DOES NOT HAVE INSTRUMENTATION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>Less Than 250 Components at Site = Fugitive unit not located at site with less than 250 fugitive components.</p> <p>SAMPLING CONNECTION SYSTEMS = FUGITIVE UNIT HAS SAMPLING CONNECTION SYSTEMS THAT MEET 40 CFR § 63.169</p> <p>WEIGHT PERCENT VOC IN PROCESS FLUID [REG V] = PROCESS FLUID CONTAINS AT LEAST 1.0% VOC BY WEIGHT (NATURAL GAS/GASOLINE PROCESSING OPERATIONS)</p> <p>COMPLYING WITH §115.352(1) = YES</p> <p>RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS [REG V] = NO RECIPROCATING COMPRESSORS OR POSITIVE DISPLACEMENT PUMPS USED IN NATURAL GAS/GASOLINE PROCESSING OPERATIONS</p> <p>TVP LESS THAN OR EQUAL TO 0.002 PSIA = FUGITIVE UNIT DOES NOT HAVE COMPONENTS THAT CONTACT A PROCESS FLUID CONTAINING A PROCESS FLUID CONTAINING VOC HAVING A TRUE VAPOR PRESSURE OF 0.002 PSIA OR LESS</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC <= 0.044 PSI @ 68° = NO</p> <p>TVP OR PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>REMAINING SEALS COMPLY WITH 115.352(1)--PUMP SEALS [REG V] = YES</p> <p>TVP OF PROCESS FLUID > 0.044 PSIA = YES</p> <p>TVP OF PROCESS FLUID LESS THAN OR EQUAL TO 0.044 PSIA = NO</p> <p>TVP OF PROCESS FLUID VOC > 0.044 PSIA @ 68° F = YES</p> <p>Complying With § 115.352(1) = YES</p>
GRP-FU34	40 CFR Part 60, Subpart KKK	6oKKK	<p>Closed Vent Systems = Closed-vent systems addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
			<p>Gas/Vapor Service = Valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pump in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Pressure relief device in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Open-Ended Valves or Lines = Open-ended valves or lines addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vacuum Service = No component in vacuum service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Vapor Recovery System = No vapor recovery system addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984.</p> <p>Non-VOC or Non-Wet Gas Service = No component in non-VOC or non-wet gas service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Facility Covered by 40 CFR Part 60, Subparts VV or GGG = Facility not covered by NSPS Subpart VV or Subpart GGG or NESHAP Subpart V.</p> <p>Light Liquid Service = Pump in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-6 = Complying with 40 CFR 60.482-6.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p> <p>Complying With § 60.482-8 = Complying with 40 CFR 60.482-8.</p> <p>Compressors = Compressor not in VOC or Wet Gas Service.</p> <p>Enclosed Combustion Device = No enclosed combustion device addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Other Control Device = No nonflare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Flanges and Other Connectors = No flanges or other connectors addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Gas/Vapor Service = Pressure relief device in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Heavy Liquid Service = No pressure relief device in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = Valves in light liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor not in wet gas service (or not reciprocating compressor).</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-2 = Complying with 40 CFR 60.482-2.</p> <p>Flare = Flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Complying with 40 CFR 60.482-4.</p> <p>Complying With § 60.482-7 = Complying with 40 CFR 60.482-7.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-FU34	40 CFR Part 63, Subpart HH	63HH	ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION SUBJECT TO ANOTHER REGULATION = FUGITIVE UNIT SUBJECT TO AND COMPLYING WITH 40 CFR PART 60, SUBPART KKK
GRP-CT20	30 TAC Chapter 115, HRVOC Cooling Towers	R5760	COOLING TOWER HEAT EXCHANGE SYSTEM EXEMPTIONS = Each individual heat exchanger of the cooling tower heat exchange system does not have greater than 100 ppmw HRVOCs in the process side fluid.
GRP-CT21	30 TAC Chapter 115, HRVOC Cooling Towers	R5760	COOLING TOWER HEAT EXCHANGE SYSTEM EXEMPTIONS = The cooling tower heat exchange system does not qualify for an exemption. ALTERNATIVE MONITORING = Alternative monitoring and testing methods approved by the executive director as allowed in § 115.764(f) are being used. MODIFIED MONITORING = Minor modifications to the monitoring and testing methods approved by the executive director as allowed in § 115.764(f) are being used.
GRP-CT22	30 TAC Chapter 115, HRVOC Cooling Towers	R5760	COOLING TOWER HEAT EXCHANGE SYSTEM EXEMPTIONS = The cooling tower heat exchange system does not qualify for an exemption. JACKETED REACTOR = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor. ALTERNATIVE MONITORING = Complying with the specified monitoring in 30 TAC § 115.764. DESIGN CAPACITY = Design capacity to circulate 8000 gpm or greater. FINITE VOLUME SYSTEM = The cooling tower heat exchange system is in dedicated service to a finite volume system and compliance with the requirements of § 115.764(h) in lieu of the requirements in § 115.764(a) is elected. MODIFIED MONITORING = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764. 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). TOTAL STRIPPABLE VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a). ON-LINE MONITOR = Speciated strippable HRVOC concentration is being determined by sampling.
GRP-CT23	30 TAC Chapter 115, HRVOC Cooling Towers	R5760	COOLING TOWER HEAT EXCHANGE SYSTEM EXEMPTIONS = The cooling tower heat exchange system does not qualify for an exemption. JACKETED REACTOR = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor. ALTERNATIVE MONITORING = Complying with the specified monitoring in 30 TAC § 115.764. DESIGN CAPACITY = Design capacity to circulate less than 8000 gpm. MODIFIED MONITORING = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764. 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). TOTAL STRIPPABLE VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a). ON-LINE MONITOR = Speciated strippable HRVOC concentration is being determined by sampling.

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DT20	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT21	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT22	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT23	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DT24	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT25	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT26	30 TAC Chapter 115, HRVOC Vent Gas	R115H	<p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>
GRP-DT26	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT27	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DT28	30 TAC Chapter 115, HRVOC Vent Gas	R115H	<p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>
GRP-DT28	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-DT29	30 TAC Chapter 115, HRVOC Vent Gas	R115H	<p>HRVOC Concentration = The vent gas stream has a HRVOC concentration of at least 100 ppmv at some times.</p> <p>Max Flow Rate = The vent gas stream has a maximum potential flow rate greater than 100 dry standard cubic feet per hour (ft³/hr).</p> <p>Vent Gas Stream Control = Vent gas stream is controlled by a flare.</p>
GRP-DT29	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-HR20	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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*
GRP-PV20	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</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 greater than 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>
GRP-PV21	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>
GRP-RT20	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-RT21	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-RT22	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor.</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p>
GRP-RT23	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Alternate Control Requirement = Alternate control is not used.</p> <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>Control Device Type = Smokeless flare</p> <p>Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p>
GRP-ST20	30 TAC Chapter 115, Vent Gas Controls	R5121	<p>Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source.</p> <p>Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2.</p> <p>Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.</p> <p>Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).</p> <p>VOC Concentration = VOC concentration is greater than or equal to 612 ppmv.</p> <p>VOC Concentration/Emission Rate @ Max 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>
GRP-DT 27	40 CFR Part 60, Subpart NNN	60NNN	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A FLARE OR RECOVERY DEVICE</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DT20	40 CFR Part 60, Subpart NNN	60NNN	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A FLARE OR RECOVERY DEVICE</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN</p>
GRP-DT21	40 CFR Part 60, Subpart NNN	60NNN	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER < 44 MW</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN</p>
GRP-DT24	40 CFR Part 60, Subpart NNN	60NNN	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A FLARE OR RECOVERY DEVICE</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-DT25	40 CFR Part 60, Subpart NNN	60NNN	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE.</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN</p>
GRP-DT26	40 CFR Part 60, Subpart NNN	60NNN	<p>40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE</p> <p>TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM</p> <p>CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983</p> <p>TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A FLARE OR RECOVERY DEVICE</p> <p>40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE</p> <p>VENT TYPE [NSPS NNN] = NOT DISCHARGING A VENT STREAM TO A VRS</p> <p>DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3)</p> <p>TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR</p> <p>VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN</p>
PB-E	30 TAC Chapter 115, Surface Coating Operations	R5421	<p>ALTERNATE REQUIREMENTS [REG V] = ALTERNATE REQUIREMENT TO 30 TAC 115.421(A)(9) OR 115.421(B)(8) HAS NOT BEEN APPROVED BY TCEQ EXECUTIVE DIRECTOR</p> <p>30 TAC CHAPTER 115 (REG V) FACILITY OPERATIONS = OTHER METAL PARTS AND PRODUCTS COATING</p> <p>MISCELLANEOUS COATING TYPE [REG V] = EXTREME PERFORMANCE COATING, INCLUDING CHEMICAL MILLING MASKS</p> <p>VOC EMISSION RATE [REG V] = OTHER UNCONTROLLED EMISSION RATES</p> <p>VAPOR RECOVERY [REG V] = NO VAPOR RECOVERY SYSTEM IS USED TO CONTROL EMISSIONS</p>
PB-N	30 TAC Chapter 115, Surface Coating Operations	R5421	<p>ALTERNATE REQUIREMENTS [REG V] = ALTERNATE REQUIREMENT TO 30 TAC 115.421(A)(9) OR 115.421(B)(8) HAS NOT BEEN APPROVED BY TCEQ EXECUTIVE DIRECTOR</p> <p>30 TAC CHAPTER 115 (REG V) FACILITY OPERATIONS = OTHER METAL PARTS AND PRODUCTS COATING</p> <p>MISCELLANEOUS COATING TYPE [REG V] = EXTREME PERFORMANCE COATING, INCLUDING CHEMICAL MILLING MASKS</p> <p>VOC EMISSION RATE [REG V] = OTHER UNCONTROLLED EMISSION RATES</p> <p>VAPOR RECOVERY [REG V] = NO VAPOR RECOVERY SYSTEM IS USED TO CONTROL EMISSIONS</p>

Unit ID	Regulation	Index Number	Basis of Determination*
GRP-RT21	40 CFR Part 60, Subpart RRR	6oRRR	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR)</p> <p>BYPASS LINE = BYPASS LINE THAT CAN DIVERT VENT STREAM AROUND THE CONTROL DEVICE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>BYPASS LINE VALVE SECURED = WITH CAR-SEAL OR LOCK-AND-KEY CONFIGURATION</p> <p>TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION</p> <p>CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO</p> <p>TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2)</p> <p>TRE FOR HALOGENATED VENT STREAM = NO</p>
GRP-RT22	40 CFR Part 60, Subpart RRR	6oRRR	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = YES</p>
GRP-RT23	40 CFR Part 60, Subpart RRR	6oRRR	<p>CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE</p> <p>CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990</p> <p>AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO</p> <p>SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = YES</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 also 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.	FOP 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. 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. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1057	Issuance Date: 09/19/2011
PSD Permit No.: PSDTX655M1	Issuance Date: 03/23/2012
PSD Permit No.: PSDTX790	Issuance Date: 04/29/2013
PSD Permit No.: PSDTX797M1	Issuance Date: 04/29/2013
PSD Permit No.: PSDTX813	Issuance Date: 09/20/2012
PSD Permit No.: PSDTX823	Issuance Date: 03/16/2012
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 5581	Issuance Date: 07/26/2012
Authorization No.: 19930	Issuance Date: 04/29/2013
Authorization No.: 20698	Issuance Date: 06/11/2012
Authorization No.: 21945	Issuance Date: 09/20/2012
Authorization No.: 22105	Issuance Date: 09/20/2012
Authorization No.: 22113	Issuance Date: 08/31/2012
Authorization No.: 22114	Issuance Date: 03/16/2012
Authorization No.: 6798	Issuance Date: 07/20/2012
Authorization No.: 76070	Issuance Date: 09/19/2011
Authorization No.: 82841	Issuance Date: 09/21/2007
Authorization No.: 8418	Issuance Date: 06/28/2012
Authorization No.: 8707	Issuance Date: 03/23/2012
Authorization No.: 87477	Issuance Date: 09/29/2011
Authorization No.: 93268	Issuance Date: 09/21/2010
Authorization No.: 94065	Issuance Date: 12/15/2010
Authorization No.: 95777	Issuance Date: 05/18/2011

Permits By Rule (30 TAC Chapter 106) for the Application Area	
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: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 7	Version No./Date: 05/05/1976
Number: 51	Version No./Date: 11/05/1986
Number: 106	Version No./Date: 09/12/1989
Number: 106	Version No./Date: 07/20/1992
Number: 106	Version No./Date: 09/13/1993

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 sandblasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the “Maximum Allowable Emission Rate Table”, or “MAERT” for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

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

Monitoring Sufficiency

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

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

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

Periodic Monitoring:

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

Unit/Group/Process Information	
ID No.: GRP-DT21	
Control Device ID No.: D4FR0123	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is less than 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Combustion temperature below 800 degrees F.	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for boilers/process heaters. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of combustion temperature of a boiler/process heater is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, DD, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: GRP-DT23	
Control Device ID No.: SFFR0125	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is less than 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Combustion Temperature below 800 degrees F.	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for boilers/process heaters. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of combustion temperature of a boiler/process heater is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, DD, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: GRP-DT25	
Control Device ID No.: MTHR128	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is less than 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Combustion temperature below 800 degrees F.	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for boilers/process heaters. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of combustion temperature of a boiler/process heater is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, DD, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: GRP-RT22	
Control Device ID No.: MTHR0128	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is less than 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: Combustion temperature below 800 degrees F.	
<p>Basis of monitoring: It is widely practiced and accepted to use performance tests, manufacturer's recommendations, engineering calculations and/or historical data to establish a minimum temperature for boilers/process heaters. This minimum temperature must be maintained in order for the proper destruction efficiency. Operation below the minimum combustion temperature will result in incomplete combustion and potential noncompliance with emission limitations and/or standards. The monitoring of combustion temperature of a boiler/process heater is commonly required in federal and state rules, including: 40 CFR Part 60, Subparts III, NNN, and RRR; 40 CFR Part 61, Subparts BB and FF; 40 CFR Part 63, Subparts G, DD, and HH; and 30 TAC Chapter 115.</p>	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Unit/Group/Process Information	
ID No.: GRP-TK24	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: 115.112
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: n/a	
Averaging Period: Once per hour	
Deviation Limit: Any monitoring data that indicates the lack of a pilot flame	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p>	

Unit/Group/Process Information	
ID No.: GRP-TK25	
Control Device ID No.: MTFLO120	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: 115.112
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: Any monitoring data that indicates the lack of a pilot flame.	
<p>Basis of monitoring: It is widely practiced and accepted to monitor the flare pilot flame by closed circuit cameras, thermocouples and visual inspection. The presence of the pilot flame demonstrates that VOC emissions are combusted. Monitoring the presence of a pilot flame is required in many federal rules, including: 40 CFR Part 60, Subparts K, III, NNN, QQQ, and RRR; 40 CFR Part 61, Subparts BB and FF; and 40 CFR Part 63, Subparts G, R, W, DD, and HH.</p>	

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-UA8 - Coal Preparation Plant Attributes
- OP-UA9 - Nonmetallic Mineral Process Plant 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 Semicheical Pulp Mill Attributes
- OP-UA31 - Lead Smelting Attributes
- OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
- OP-UA33 - Metallic 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