

# Statement of Basis of the Federal Operating Permit

Gas Solutions II Ltd.

Site/Area Name: Longview Gas Plant  
Physical location: 3407 West Camp Switch Road  
Nearest City: Longview  
County: Gregg

Permit Number: O3097  
Project Type: Renewal

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

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

Prepared on: December 17, 2014

## Operating Permit Basis of Determination

### Permit Area Process Description

Gas is compressed through four stages of compression; these compressors and all other combustion sources at the plant burn sweet residue gas. After the second stage of compression, the gas is sweetened with a monoethanolamine (MEA) system. The rich MEA is regenerated in the amine reconcentrator to drive off the CO<sub>2</sub> and H<sub>2</sub>S, which are routed to the flare.

After the third stage of compression, the gas goes through a triethylene glycol (TEG) system to remove water. The rich TEG flows to a flash tank, where some of the hydrocarbon gases are released and returned to the plant inlet. From the flash tank, the TEG is regenerated using a direct fired reboiler. The water vapor and hydrocarbon driven off the glycol are condensed. Liquids are pumped to the plant wastewater tank, and the uncondensable gases are emitted to the atmosphere. The gas is further dehydrated after the fourth stage of compression using molecular (mol) sieve beds.

A propane refrigeration system chills the dehydrated, sweetened gas to remove the natural gas liquids (NGLs). Any liquids that dropped out of the gas during the third and fourth stages of the compression process are combined with these NGLs and fractionated into an ethane/propane product and a butane/gasoline product. The NGLs are stored in pressurized tanks and sold through a pipeline. Second stage compression liquids are sold through a separate pipeline. The residue gas is used for fuel in the plant and the field or compressed and sold through a sales pipeline.

### FOPs at Site

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

Additional FOPs: None

### Major Source Pollutants

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

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

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

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

- General Terms and Conditions

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

## General Terms and Conditions

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

## Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on 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.

## Appendix B

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

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

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

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

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

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

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

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit’s Applicable 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:

<b>Regulatory Program</b>	<b>Applicability (Yes/No)</b>
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)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
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](http://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html).

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

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

These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

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

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

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

#### Operational Flexibility

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

## Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
C-01	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-01	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-01	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Normal use. Stationary RICE Type = 2 stroke spark ignited lean burn engine	
C-03	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-03	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-03	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Normal use. Stationary RICE Type = 2 stroke spark ignited lean burn engine	
C-04	30 TAC Chapter 117, East Texas Combustion	R7330-2	Unit Type = The unit does not qualify for any exemptions under the rule. Horsepower Rating = Horsepower rating is 500 HP or greater Landfill = The engine is not fired on landfill gas. Control Operations = The engine is controlled with nonselective catalytic reduction. NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO <sub>x</sub> or O <sub>2</sub> and is complying with § 117.3330(b)(3) monitoring. Ammonia Use = Ammonia injection is not used to control NO <sub>x</sub> emissions.	<u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.  <u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				remove this citation.
C-04	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-04	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-4	<p>Crankcase = The stationary CI RICE is equipped with a closed crankcase ventilation system.</p> <p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after December 19, 2002, but before June 12, 2006.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-05	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NO<sub>x</sub> and O<sub>2</sub> Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p><u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p><u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.</p>
C-05	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-05	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-4	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after December 19, 2002, but before June 12, 2006.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-25	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-25	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-25	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited lean burn engine.</p>	
C-26	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-26	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-26	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	
C-27	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-27	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-27	40 CFR Part 63,	63ZZZZ-1	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
	Subpart ZZZZ		definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Normal use. Stationary RICE Type = 2 stroke spark ignited lean burn engine	
C-28	30 TAC Chapter 117, East Texas Combustion	R7330-2	Unit Type = The unit does not qualify for any exemptions under the rule. Horsepower Rating = Horsepower rating is 500 HP or greater Landfill = The engine is not fired on landfill gas. Control Operations = The engine is controlled with nonselective catalytic reduction. NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO <sub>x</sub> or O <sub>2</sub> and is complying with § 117.3330(b)(3) monitoring. Ammonia Use = Ammonia injection is not used to control NO <sub>x</sub> emissions.	<u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.  <u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.
C-28	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-28	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500. Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Control Technique = Non-selective catalytic reduction Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies. Emission Limitation = Reducing formaldehyde emission by 76% or greater Monitoring System = Continuous parameter monitoring system Service Type = Normal use. Stationary RICE Type = 4 stroke spark ignited rich burn engine	<u>Emiss. Limit/Standard-</u> Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.  <u>Monitoring/Testing-</u> Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.  <u>Reporting-</u> Added 63.6645(b), Initial notification for engines operating prior to compliance date;  Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				requirements for "Limited Use" engines; Added 63.6650(b)(5), related to semiannual reports.
C-30	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-30	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-30	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Normal use. Stationary RICE Type = 4 stroke spark ignited lean burn engine.	
C-31	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-31	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-31	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2. Brake HP = Stationary RICE with a brake hp greater than 500. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Normal use. Stationary RICE Type = 4 stroke spark ignited lean burn engine.	
C-32	30 TAC Chapter 117, East Texas Combustion	R7330-2	Unit Type = The unit does not qualify for any exemptions under the rule. Horsepower Rating = Horsepower rating is 500 HP or greater Landfill = The engine is not fired on landfill gas. Control Operations = The engine is controlled with nonselective catalytic reduction. NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO <sub>x</sub> or O <sub>2</sub> and is complying with § 117.3330(b)(3) monitoring. Ammonia Use = Ammonia injection is not used to control NO <sub>x</sub> emissions.	<u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.  <u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.
C-32	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-32	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-33	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p>Monitoring/Testing- 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p>Recordkeeping- 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to</p>

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				remove this citation.
C-33	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-33	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-34	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p><u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p><u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
C-34	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-34	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-35	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p><u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p><u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.</p>
C-35	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	

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C-35	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-36	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-36	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-36	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 2 stroke spark ignited lean burn engine</p>	
C-37	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NO<sub>x</sub> and O<sub>2</sub> Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p><u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p><u>Recordkeeping-</u> 117.3345(a)(3) was deleted at</p>

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				applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.
C-37	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-37	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-38	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p><u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p><u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in</p>

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				the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.
C-38	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-38	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-39	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p>Monitoring/Testing- 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p>Recordkeeping- 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is</p>

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				required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.
C-39	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-39	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-40	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<p>Monitoring/Testing- 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.</p> <p>Recordkeeping- 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to</p>

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				remove this citation.
C-40	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-40	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-41	30 TAC Chapter 117, East Texas Combustion	R7330-1	Unit Type = The engine is a gas-fired lean burn engine.	
C-41	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-41	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-2	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited lean burn engine.</p>	
C-42	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NOx and O2 Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p>	<p><u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the</p>

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Ammonia Use = Ammonia injection is not used to control NO <sub>x</sub> emissions.	exemption.  <u>Recordkeeping-</u> 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.
C-42	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-42	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
C-43	30 TAC Chapter 117, East Texas Combustion	R7330-2	<p>Unit Type = The unit does not qualify for any exemptions under the rule.</p> <p>Horsepower Rating = Horsepower rating is 500 HP or greater</p> <p>Landfill = The engine is not fired on landfill gas.</p> <p>Control Operations = The engine is controlled with nonselective catalytic reduction.</p> <p>NO<sub>x</sub> and O<sub>2</sub> Monitoring = The engine is not using a CEMS or PEMS to monitor for NO<sub>x</sub> or O<sub>2</sub> and is complying with § 117.3330(b)(3) monitoring.</p> <p>Ammonia Use = Ammonia injection is not used to control NO<sub>x</sub> emissions.</p>	<u>Monitoring/Testing-</u> 117.8140(a)(3) was deleted, dependent citation. Citation is an exemption from compliance with paragraph (a)(2) for engines used only for emergency. These engines are not used for emergency so don't qualify for the exemption.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
				<p>Recordkeeping- 117.3345(a)(3) was deleted at applicant request. The applicant does not use the monitoring devices listed in the citation, they do not think it applies. Other citations that prescribe what is required for their monitoring devices, so with Team Leader approval, it was agreed to remove this citation.</p>
C-43	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
C-43	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-3	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than 500.</p> <p>Performance Test = No previous performance test used, a performance test is conducted to demonstrate initial compliance</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002.</p> <p>Control Technique = Non-selective catalytic reduction</p> <p>Different Schedule = Schedule specified in Subpart ZZZZ for submission of reports applies.</p> <p>Emission Limitation = Reducing formaldehyde emission by 76% or greater</p> <p>Monitoring System = Continuous parameter monitoring system</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	<p>Emiss. Limit/Standard- Added 63.6665, clarifies that Gen. Provisions, Table 8 applies.</p> <p>Monitoring/Testing- Added 63.6620(a)-Table 4.2.a.v, applicants desires THC measurement option; added [G]63.6620(e)(2), contains equations to comply with THC option.</p> <p>Reporting- Added 63.6645(b), Initial notification for engines operating prior to compliance date;</p> <p>Deleted 63.6650(a)-Table 7.1.a.ii and 63.6650(b)(6)-(9), these are requirements for "Limited Use" engines;</p> <p>Added 63.6650(b)(5), related to semiannual reports.</p>
SBGEN	30 TAC Chapter 117, East Texas Combustion	R117-3300	Unit Type = The engine is a diesel engine.	
SBGEN	40 CFR Part 60, Subpart IIII	60IIII-1	<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 130 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>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<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>Manufacture Date = Date of manufacture is after 04/01/2006.</p> <p>Model Year = CI ICE was manufactured in model year 2012.</p>	
SBGEN	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-5	<p>HAP Source = Any stationary source or group of stationary sources of hazardous air pollutants meeting the definition of a major source as described in 40 CFR § 63.2.</p> <p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Normal use.</p> <p>Stationary RICE Type = Compression ignition engine</p>	
DIESEL	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</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>	
DIESEL	40 CFR Part 60, Subpart Kb	60Kb-2	<p>Product Stored = Petroleum liquid (other than petroleum or condensate)</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
MEA	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</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>	
MEA	40 CFR Part 60, Subpart Kb	60Kb-1	<p>Product Stored = Volatile organic liquid</p> <p>Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)</p>	
TEGNEW	30 TAC Chapter 115, Storage of VOCs	R5112-1	<p>Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria.</p> <p>Tank Description = Tank does not require emission controls</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>	

<b>Unit ID</b>	<b>Regulation</b>	<b>Index Number</b>	<b>Basis of Determination*</b>	<b>Changes and Exceptions to DSS**</b>
TEGNEW	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
TEGUSED	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. 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	
TEGUSED	40 CFR Part 60, Subpart Kb	60Kb-1	Product Stored = Volatile organic liquid Storage Capacity = Capacity is less than 10,600 gallons (40,000 liters)	
C3	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	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), crude oil, or condensate. Transfer Type = Only unloading.	
C4	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	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), crude oil, or condensate. Transfer Type = Only unloading.	
C5	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	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), crude oil, or condensate. Transfer Type = Only loading.	
LDIESEL	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
LLUBE OIL	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
LMEA	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
LSCRUBOIL	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	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), crude oil, or condensate. Transfer Type = Loading and unloading.	
LTEG	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only unloading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
LTEGUSED	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-2	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline. Transfer Type = Only loading. True Vapor Pressure = True vapor pressure is less than 1.5 psia.	
B-1	40 CFR Part 60, Subpart Dc	60Dc-1	Construction/Modification Date = On or before June 9, 1989.	
B-2	40 CFR Part 60, Subpart Dc	60Dc-1	Construction/Modification Date = On or before June 9, 1989.	
B-3	40 CFR Part 60, Subpart Dc	60Dc-1	Construction/Modification Date = On or before June 9, 1989.	
Z-680	30 TAC Chapter 111, Visible Emissions	R1111-1	Acid Gases Only = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. Emergency/Upset Conditions Only = Flare is used under conditions other than emergency or upset conditions.	
Z-680	40 CFR Part 60, Subpart A	60A-1	Subject to 40 CFR § 60.18 = Flare is not subject to 40 CFR § 60.18.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
Z-680	40 CFR Part 63, Subpart A	63A-1	Required Under 40 CFR Part 63 = Flare is not required by a Subpart under 40 CFR Part 63.	
PROSWEET	30 TAC Chapter 112, Sulfur Compounds	R2112-1	Sulfur Recovery Plant = The gas sweetening unit is not using sulfur recovery.	
PROSWEET	40 CFR Part 60, Subpart LLL	60LLL-1	<p>Onshore = The sweetening unit is located onshore at a gas processing plant.</p> <p>Construction Date = On or before January 20, 1984.</p> <p>Acid Gas Vented = Acid gas is vented (acid gas is not completely reinjected into oil- or gas-bearing strata or is otherwise released into the atmosphere [burning is considered to be a release into the atmosphere]).</p>	
GRPXXXXWG	40 CFR Part 60, Subpart KKK	60KKK-2	<p>Closed Vent Systems = No 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> <p>Heavy Liquid Service = No valves in heavy liquid service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</p> <p>Light Liquid Service = No 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 = No 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 = Not complying with 40 CFR 60.482-10.</p> <p>Construction/Modification Date = After January 20, 1984 and on or before August 23, 2011.</p> <p>Gas/Vapor Service = No valves in gas/vapor service addressed in 40 CFR 60 (NSPS) Subpart KKK included in the fugitive unit.</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>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Not complying with 40 CFR 60.482-10.</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 = No 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 § 60.482-8 = Not 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</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>included in the fugitive unit.</p> <p>Complying With § 60.482-7 = Not complying with 40 CFR 60.482-7.</p> <p>Control Devices Used to Comply With AMEL = No control devices used to comply with AMEL.</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 = No 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>Reciprocating Compressor in Wet Gas Service = Reciprocating compressor in wet gas service.</p> <p>AMEL = Not using alternate means of emission limitation.</p> <p>Complying With § 60.482-10 = Not complying with 40 CFR 60.482-10.</p> <p>Complying With § 60.482-2 = Not complying with 40 CFR 60.482-2.</p> <p>Light Liquid Service = No valves 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>Flare = No flare control device addressed in 40 CFR 60 (NSPS) Subpart KKK.</p> <p>Complying With § 60.482-3 = Not complying with 40 CFR 60.482-3.</p> <p>Complying With § 60.482-4 = Not complying with 40 CFR 60.482-4.</p> <p>Complying With § 60.482-8 = Not complying with 40 CFR 60.482-8.</p> <p>Complying With § 60.482-7 = Not complying with 40 CFR 60.482-7.</p>	
GRPXXXXWG	40 CFR Part 63, Subpart HH	63HH-2	<p>ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION</p> <p>Subject to Another Regulation = Fugitive unit is subject to and controlled under the provisions of 40 CFR part 63, Subpart HH.</p>	<p>Main Standard, 63.760(g)(1), is a citation that is "Reserved" in the rule language. The requirement was manually adjusted to read as [G]63.760(g) to encompass the lead-in text as well as 63.760(g)(2) and (g)(3).</p>
GRPOLD	40 CFR Part 60, Subpart KKK	60KKK-1	<p>Facility Type = Affected facility is the group of all equipment except compressors within a process unit.</p> <p>Construction/Modification Date = On or before January 20, 1984.</p>	
GRPOLD	40 CFR Part 63, Subpart HH	63HH-1	<p>ALTERNATE MEANS OF EMISSION LIMITATION = NO APPROVED ALTERNATE MEANS OF EMISSION LIMITATION</p> <p>Subject to Another Regulation = Fugitive unit is subject to and controlled under the provisions of 40 CFR part 63, Subpart HH.</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>LESS THAN 300 OPERATING HOURS = SOME COMPRESSORS OR ANCILLARY EQUIPMENT OPERATE LESS THAN 300 HOURS PER YEAR IN VHAP SERVICE.</p> <p>VACUUM SERVICE = NO COMPRESSORS OR ANCILLARY EQUIPMENT OPERATE IN VACUUM SERVICE.</p>	
COOLINGTWR	40 CFR Part 63,	63Q-1	Used Compounds Containing Chromium on or After September 8, 1994 = The industrial process cooling tower	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
	Subpart Q		has not used compounds containing chromium on or after September 8, 1994.	
2NDSTACC	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
3RDSTACC	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
A-241	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
A-242	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
APISEP	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
FORMWTR	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
GUNBARREL	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
HT-230	30 TAC Chapter 115, Water Separation	R5131-1	Alternate Control Requirement = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. Exemption = Any single or multiple compartment VOC water separator that separates materials obtained from any equipment in a facility other than a petroleum refinery and is located in Gregg County.	
GRP-VENTS	30 TAC Chapter 111, Visible Emissions	R1111-2	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = On or before January 31, 1972 Effluent Flow Rate = Effluent flow rate is less than 100,000 actual cubic feet per minute.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
SOLVENT	30 TAC Chapter 115, Degreasing Processes	R5412-1	<p>Solvent Degreasing Machine Type = Remote reservoir cold solvent cleaning machine.</p> <p>Alternate Control Requirement = The TCEQ Executive Director has not approved an alternative control requirement as allowed under 30 TAC § 115.413 or not alternative has been requested.</p> <p>Solvent Sprayed = No solvent is sprayed.</p> <p>Solvent Vapor Pressure = Solvent vapor pressure is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.</p> <p>Solvent Heated = The solvent is not heated to a temperature greater than 120° F.</p> <p>Parts Larger than Drainage = Cleaned parts for which the machine is authorized to clean are larger than the internal drainage facility of the machine.</p> <p>Drainage Area = Area is less than 16 square inches.</p> <p>Disposal in Enclosed Containers = Waste solvent is properly disposed of in enclosed containers.</p>	
H-310	40 CFR Part 63, Subpart HH	63HH-3	<p>Alternate Means of Emission Limitation (AMEL) = The EPA Administrator has not approved an alternate means of emission limitation in accordance with 40 CFR § 63.777 or no alternate has been requested.</p> <p>Annual Average Flowrate = Greater than or equal to 85,000 standard cubic meters per day.</p> <p>Average Benzene Emissions = Greater than or equal to 0.90 megagram per year.</p> <p>Process Vent Control = Process vent is connected to a process natural gas line.</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](http://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](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html)

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX835	Issuance Date: 07/10/2013
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 19994	Issuance Date: 06/29/2010
Authorization No.: 23110	Issuance Date: 07/10/2013
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.454	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: 6	Version No./Date: 04/04/1975
Number: 6	Version No./Date: 04/05/1976
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 09/23/1982
Number: 7	Version No./Date: 05/08/1972
Number: 7	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 09/13/1993

Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 09/23/1982
Number: 66	Version No./Date: 09/12/1989
Number: 66	Version No./Date: 05/04/1994
Number: 72	Version No./Date: 09/23/1982
Number: 105	Version No./Date: 09/23/1982
Number: 121	Version No./Date: 09/23/1982

### **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:

<b>Unit/Group/Process Information</b>	
ID No.: GRP-VENTS	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible Emissions	
<p>Basis of monitoring:                      The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.</p>	

**Compliance Assurance Monitoring (CAM):**

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

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

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

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

<b>Unit/Group/Process Information</b>	
ID No.: C-04, C-05, C-28, C-40, C-42, C-43	
Control Device ID No.: CE-04-CC, CE-05-CC, CE-28-CC, CE-40-CC, CE-42-CC, CE-43-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 106.512
<b>Monitoring Information</b>	
Indicator: Inlet Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: one hour	
Deviation Limit: Minimum Engine Exhaust Temperature= 750°F; Maximum Engine Exhaust Temperature= 1250°F	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

<b>Unit/Group/Process Information</b>	
ID No.: C-28, C-42, C-43	
Control Device ID No.: CE-28-CC, CE-42-CC, CE-43-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 106.512
<b>Monitoring Information</b>	
Indicator: NOx Concentration	
Minimum Frequency: once per quarter	
Averaging Period: n/a*	
Deviation Limit: Maximum NOx Emissions= 1.90 grams per horsepower-hour	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

\*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.

<b>Unit/Group/Process Information</b>	
ID No.: C-04, C-05, C-40	
Control Device ID No.: CE-04-CC, CE-05-CC, CE-40-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 106.512
<b>Monitoring Information</b>	
Indicator: NOx Concentration	
Minimum Frequency: once per quarter	
Averaging Period: n/a*	
Deviation Limit: Maximum NOx Emissions= 2.00 grams per horsepower-hour	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

\*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.

<b>Unit/Group/Process Information</b>	
ID No.: C-04, C-05, C-28, C-32, C-33, C34, C-35, C-37, C-38, C-39, C-40, C-42, C-43	
Control Device ID No.: CE-04-CC, CE-05-CC, CE-28-CC, CE-32-CC, CE-33-CC, CE-34-CC, CE-35-CC, CE-37-CC, CE-38-CC, CE-39-CC, CE-40-CC, CE-42-CC, CE-43-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, East Texas Combustion	SOP Index No.: R7330-2
Pollutant: NO <sub>x</sub>	Main Standard: § 117.3310(a)(2)(B)
<b>Monitoring Information</b>	
Indicator: Inlet Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: one hour	
Deviation Limit: Minimum Engine Exhaust Temperature= 750°F; Maximum Engine Exhaust Temperature= 1250°F	
Basis of CAM: A common way to reduce NO <sub>x</sub> emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NO <sub>x</sub> emissions. When an NO or NO <sub>2</sub> molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N <sub>2</sub> in lieu of NO <sub>x</sub> . Parameters that may be measured to determine control device performance include the outlet NO <sub>x</sub> concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

<b>Unit/Group/Process Information</b>	
ID No.: C-04, C-05, C-28, C-32, C-33, C34, C-35, C-37, C-38, C-39, C-40, C-42, C-43	
Control Device ID No.: CE-04-CC, CE-05-CC, CE-28-CC, CE-32-CC, CE-33-CC, CE-34-CC, CE-35-CC, CE-37-CC, CE-38-CC, CE-39-CC, CE-40-CC, CE-42-CC, CE-43-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, East Texas Combustion	SOP Index No.: R7330-2
Pollutant: NO <sub>x</sub>	Main Standard: § 117.3310(a)(2)(B)
<b>Monitoring Information</b>	
Indicator: NO <sub>x</sub> Concentration	
Minimum Frequency: once per quarter	
Averaging Period: n/a*	
Deviation Limit: Maximum NO <sub>x</sub> Emissions= 0.50 grams per horsepower-hour	
Basis of CAM: A common way to reduce NO <sub>x</sub> emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NO <sub>x</sub> emissions. When an NO or NO <sub>2</sub> molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N <sub>2</sub> in lieu of NO <sub>x</sub> . Parameters that may be measured to determine control device performance include the outlet NO <sub>x</sub> concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

\*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.

<b>Unit/Group/Process Information</b>	
ID No.: C-32	
Control Device ID No.: CE-32-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 6
<b>Monitoring Information</b>	
Indicator: NOx Concentration	
Minimum Frequency: once per quarter	
Averaging Period: n/a*	
Deviation Limit: Maximum NOx Emissions= 2.00 grams per horsepower-hour	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

\*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.

<b>Unit/Group/Process Information</b>	
ID No.: C-32	
Control Device ID No.: CE-32-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 6
<b>Monitoring Information</b>	
Indicator: Inlet Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: one hour	
Deviation Limit: Minimum Engine Exhaust Temperature= 750°F; Maximum Engine Exhaust Temperature= 1250°F	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

<b>Unit/Group/Process Information</b>	
ID No.: C-35	
Control Device ID No.: CE-35-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 6
<b>Monitoring Information</b>	
Indicator: Inlet Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: one hour	
Deviation Limit: Minimum Engine Exhaust Temperature= 750°F; Maximum Engine Exhaust Temperature= 1250°F	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

<b>Unit/Group/Process Information</b>	
ID No.: C-35	
Control Device ID No.: CE-35-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 6
<b>Monitoring Information</b>	
Indicator: NOx Concentration	
Minimum Frequency: once per quarter	
Averaging Period: n/a*	
Deviation Limit: Maximum NOx Emissions= 5.00 grams per horsepower-hour	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

\*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.

<b>Unit/Group/Process Information</b>	
ID No.: C-38	
Control Device ID No.: CE-38-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 106.264
<b>Monitoring Information</b>	
Indicator: Inlet Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: one hour	
Deviation Limit: Minimum Engine Exhaust Temperature= 750°F; Maximum Engine Exhaust Temperature= 1250°F	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

<b>Unit/Group/Process Information</b>	
ID No.: C-38	
Control Device ID No.: CE-38-CC	Control Device Type: Catalytic Converter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 106, Permits by Rule	SOP Index No.: PBRCAM
Pollutant: NOX	Main Standard: 106.264
<b>Monitoring Information</b>	
Indicator: NOx Concentration	
Minimum Frequency: once per quarter	
Averaging Period: n/a*	
Deviation Limit: Maximum NOx Emissions= 2.00 grams per horsepower-hour	
Basis of CAM: A common way to reduce NOx emissions is by the use of a catalytic converter. A catalytic converter uses a catalyst such as platinum and rhodium to reduce the NOx emissions. When an NO or NO2 molecule contacts the catalyst, the catalyst frees oxygen and allows the formation of N2 in lieu of NOx. Parameters that may be measured to determine control device performance include the outlet NOx concentration, the inlet temperature of the catalyst and the oxygen concentration in the exhaust gas.	

\*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.

### Compliance Review

- In accordance with 30 TAC Chapter 60, the compliance history was reviewed on **December 9, 2014**.
- The compliance history review evaluated the period from **December 12, 2008** to **December 9, 2014**.  
Site rating: **0.0, High** Company rating: **0.0, High**  
*(High < 0.10; Satisfactory > 0.10 and < 55; Unsatisfactory > 55)*
- Has the permit changed on the basis of the compliance history or site/company rating? .....No

### Site/Permit Area Compliance Status Review

- Were there any out-of-compliance units listed on Form OP-ACPS? .....No
- Is a compliance plan and schedule included in the permit?.....No

### Available Unit Attribute Forms

- OP-UA1 - Miscellaneous and Generic Unit Attributes
- OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
- OP-UA3 - Storage Tank/Vessel Attributes
- OP-UA4 - Loading/Unloading Operations Attributes
- OP-UA5 - Process Heater/Furnace Attributes
- OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
- OP-UA7 - Flare Attributes
- OP-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 Semichemical 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