

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Shoup Gas Plant
Natural Gas Liquids

LOCATED AT
Nueces County, Texas
Latitude 27° 47' 59" Longitude 97° 33' 55"
Regulated Entity Number: RN100210277

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

Due to the 'poor' compliance rating, this permit shall expire four years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: 03321 Issuance Date: _____

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 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.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
 - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(b)(1).
5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
 - A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
 - (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
 - (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
8. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):
 - A. Title 40 CFR § 63.11111(e), for records of monthly throughput
 - B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

- C. Title 40 CFR § 63.11111(j), for dispensing from fixed tank into portable tank for on-site delivery
- D. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput
- E. Title 40 CFR § 63.11115(a), for operation of the source
- F. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices
- G. Title 40 CFR § 63.11116(b), for records availability
- H. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

- 9. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

- 10. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
- 11. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
- 12. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not

limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

13. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
14. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

15. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Permit Location

16. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit at Enterprise Hydrocarbons LP, c/o Environmental Department, 1100 Louisiana Street, Houston, TX 77002.

Permit Shield (30 TAC § 122.148)

17. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary9

Applicable Requirements Summary 11

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
1	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
2	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
23	FUGITIVE EMISSION UNITS	N/A	60KKK	40 CFR Part 60, Subpart KKK	No changing attributes.
24	FLARES	N/A	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
3	STATIONARY TURBINES	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
7	FLARES	N/A	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
7	FLARES	N/A	60A	40 CFR Part 60, Subpart A	No changing attributes.
GRP-111	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	10S, 11S, 12S, 13S, 14S, 16S, 17S, 18S, 19S, 1S, 25S, 26S, 27S, 2S, 3S, 4S, 5S, 6S, EMER GEN 1S, FIRE PUMP 1S, FIRE PUMP 2S	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-ENG1	SRIC ENGINES	12, 16, 17, 4, 5	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-TK1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	TANK01, TANK02, TANK27	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TK2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	TANK 05, TANK03, TANK04, TANK06, TANK07, TANK08, TANK09, TANK10, TANK17, TANK18	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TK3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	TANK11, TANK12, TANK13, TANK14, TANK15, TANK16, TANK19, TANK20, TANK21, TANK22	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TK4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	TANK24, TANK25, TANK26	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURB2	STATIONARY TURBINES	10, 11	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
LOAD1	LOADING/UNLOADING OPERATIONS	N/A	R115	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
LOAD2	LOADING/UNLOADING OPERATIONS	N/A	R115	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
LOAD3	LOADING/UNLOADING OPERATIONS	N/A	R115	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
LOAD4	LOADING/UNLOADING OPERATIONS	N/A	R115	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
PAINT1	SURFACE COATING OPERATIONS	N/A	R5421-1	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.
TANK23	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
TANK28	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1	EU	60GG	SO ₂	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
1	EU	60GG	NO _x	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1) ** See Periodic Monitoring Summary	None	None
2	EU	60GG	SO ₂	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
2	EU	60GG	NO _x	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1) ** See Periodic Monitoring Summary	None	None
23	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1)	Comply with the requirements for compressors as stated in §60.482-3 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k)			§ 60.486(j)	
23	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(a)(2) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-2(a)(1) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
23	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
23	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 60.636
23	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a)	Comply with the requirements for	§ 60.482-8(a)(1) § 60.485(a)	§ 60.482-1(g) [G]§ 60.486(a)	§ 60.487(a) [G]§ 60.487(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	connectors as stated in §60.482-8, except as provided in §60.633.	[G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	[G]§ 60.487(c) § 60.487(e) [G]§ 60.636
23	EU	60KKK	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.633(g)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g) § 60.632(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
24	EU	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
3	EU	60GG	SO ₂	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
3	EU	60GG	NO _x	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	§ 60.335(c)(1) ** See Periodic Monitoring Summary		
7	EU	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
7	CD	60A	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(5) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(6)	None	None
GRP-111	EP	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-ENG1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e)	For each existing non-emergency, non-black start 2SLB stationary RICE, located at an area source, you must comply with the requirements as	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6660(a)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6625(h) § 63.6625(j) § 63.6640(b)	specified in Table 2d.6.a-c.	§ 63.6640(b)	§ 63.6660(b) § 63.6660(c)	
GRP-TK1	EP	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.	None	None	None
GRP-TK2	EP	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.			
GRP-TK3	EP	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.	None	None	None
GRP-TK4	EP	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B)	Visible emissions from any stationary vent shall not exceed an opacity of	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.			
GRP-TURB2	EU	60GG	SO ₂	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
LOAD1	EU	R115	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(4) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Crude oil, condensate, and liquefied petroleum gas. All loading and unloading of crude oil, condensate, and liquefied petroleum gas is exempt from division, except for the specified requirements.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(ii) § 115.216(3)(B)	None
LOAD2	EU	R115	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.214(b)(1)(D)(i)	true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.215(4)		
LOAD3	EU	R115	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(b)(1) § 115.212(b)(1)(C) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(i) § 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.212(b)(3)(E) § 115.214(b)(1)(B) § 115.214(b)(1)(C)	In Aransas, Bexar, Calhoun, Gregg, Matagorda, Nueces, San Patricio, Travis, and Victoria Counties, vapors caused by the loading of VOC with a TVP greater than or equal to 1.5 psia must be controlled using one of the methods specified in §115.212(b)(1)(A)-(C).	§ 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii)) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(8) § 115.215(9)	§ 115.216 § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None
LOAD4	EU	R115	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(b)(3) § 115.212(b)(2) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(i) § 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.212(b)(3)(D) § 115.214(b)(1)(B) § 115.214(b)(1)(C)	All land-based VOC transfer to or from transport vessels shall be conducted in the manner specified for leak-free operations.	§ 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii))	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(iii)	None
PAINT1	PRO	R5421-1	VOC	30 TAC Chapter	§ 115.420	The permit holder shall	The permit holder	The permit holder	The permit holder

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Surface Coating Operations	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
TANK23	EP	R111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.	None	None	None
TANK28	EP	R111	PM	30 TAC Chapter	§ 111.111(a)(1)(B)	Visible emissions from	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			(OPACITY)	111, Visible Emissions		any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.			

Additional Monitoring Requirements

Periodic Monitoring Summary 23

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO _x	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: n/a*	
Deviation Limit: Maximum fuel consumption = 7.507 MMSCF per week.	
<p>Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO _x	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Every two years	
Averaging Period: n/a	
Deviation Limit: Maximum NO _x Concentration = 166 ppm	
<p>Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The maximum NO_x concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxide limit associated with the emission limitation in the underlying applicable requirement. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO _x	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: n/a*	
Deviation Limit: Maximum fuel consumption = 7.79 MMSCF per week	
<p>Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO _x	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: Every two years	
Averaging Period: n/a	
Deviation Limit: Maximum NOx Concentration = 167 ppm	
<p>Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The maximum NOx concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxide limit associated with the emission limitation in the underlying applicable requirement. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO _x	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: n/a*	
Deviation Limit: Maximum fuel consumption = 7.79 MMSCF per week	
<p>Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG
Pollutant: NO _x	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Every two years	
Averaging Period: n/a	
Deviation Limit: Maximum NO _x Concentration =167 ppm	
<p>Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The maximum NO_x concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxide limit associated with the emission limitation in the underlying applicable requirement. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-111	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Firing an alternate fuel for a period of greater than or equal to 24 hrs, or visible emissions present during the firing of an alternate fuel, or opacity greater than 20% during these occurrences.	
<p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

Permit Shield

Permit Shield 31

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
1	N/A	40 CFR Part 60, Subpart KKKK	Construction, modification or reconstruction prior to February 18, 2005.
1	N/A	40 CFR Part 63, Subpart YYYY	Source is an existing stationary combustion turbine that commenced construction or reconstruction before 1/14/03.
19	N/A	40 CFR Part 60, Subpart D	Design capacity is less than 250 MMBtu/hr.
19	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
19	N/A	40 CFR Part 60, Subpart Db	Design capacity is less than 100 MMBtu/hr.
19	N/A	40 CFR Part 60, Subpart Dc	Design capacity is less than 10 MMBtu/hr.
2	N/A	40 CFR Part 60, Subpart KKKK	Construction, modification or reconstruction prior to February 18, 2005.
2	N/A	40 CFR Part 63, Subpart YYYY	Source is an existing stationary combustion turbine that commenced construction or reconstruction before 1/14/03.
24	N/A	40 CFR Part 60, Subpart A	There are no applicable standards for the flare which refer to §60.18.
24	N/A	40 CFR Part 63, Subpart A	There is no equipment venting to the flare subject to a standard which refers to §63.11.
3	N/A	40 CFR Part 60, Subpart KKKK	Construction, modification or reconstruction prior to February 18, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
3	N/A	40 CFR Part 63, Subpart YYYY	Source is an existing stationary combustion turbine that commenced construction or reconstruction before 1/14/03.
7	N/A	40 CFR Part 63, Subpart A	There is no equipment venting to the flare subject to a standard which refers to §63.11.
COOL TWR	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
GRP-111	10S, 11S, 12S, 13S, 14S, 16S, 17S, 18S, 19S, 1S, 25S, 26S, 27S, 2S, 3S, 4S, 5S, 6S, EMER GEN 1S, FIRE PUMP 1S, FIRE PUMP 2S	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is not being used as a control device for any vent gas stream which is subject to this division and which originates from a non-combustion source.
GRP-ENG1	12, 16, 17, 4, 5	40 CFR Part 60, Subpart JJJJ	The SI ICE engine was constructed, reconstructed, or modified before 6/12/2006.
GRP-ENG2	EMER GEN 1, FIRE PUMP 1, FIRE PUMP 2	40 CFR Part 60, Subpart JJJJ	The SI ICE engine was constructed, reconstructed, or modified before 6/12/2006.
GRP-HTRS	13, 14, 18, 25, 26, 27, 6	40 CFR Part 60, Subpart D	Design capacity is less than 250 MMBtu/hr.
GRP-HTRS	13, 14, 18, 25, 26, 27, 6	40 CFR Part 60, Subpart Da	Boiler is not an electric utility steam generating unit.
GRP-HTRS	13, 14, 18, 25, 26, 27, 6	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before June 19, 1984.
GRP-HTRS	13, 14, 18, 25, 26, 27, 6	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
GRP-HTRS	13, 14, 18, 25, 26, 27, 6	40 CFR Part 63, Subpart DDDDDD	The facility is not a major source of HAPs.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-HTRS	13, 14, 18, 25, 26, 27, 6	40 CFR Part 63, Subpart JJJJJJ	Emission unit is not a boiler, as defined in 40 CFR §63.11237.
GRP-TK1	TANK01, TANK02, TANK27	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 210,000 gallons storing condensate prior to custody transfer.
GRP-TK1	TANK01, TANK02, TANK27	40 CFR Part 60, Subpart K	Tank capacity is less than 420,000 gallons, is storing condensate and was constructed after May 18, 1978.
GRP-TK1	TANK01, TANK02, TANK27	40 CFR Part 60, Subpart Ka	Tank capacity is less than 420,000 gallons, is storing condensate and was constructed after July 23, 1984.
GRP-TK1	TANK01, TANK02, TANK27	40 CFR Part 60, Subpart Kb	Tank capacity is less than 420,000 gallons storing condensate prior to custody transfer.
GRP-TK2	TANK 05, TANK03, TANK04, TANK06, TANK07, TANK08, TANK09, TANK10, TANK17, TANK18	40 CFR Part 60, Subpart K	Tank capacity is less than 420,000 gallons, is storing condensate and was constructed after May 18, 1978.
GRP-TK2	TANK 05, TANK03, TANK04, TANK06, TANK07, TANK08, TANK09, TANK10, TANK17, TANK18	40 CFR Part 60, Subpart Ka	Tank does not store a petroleum liquid.
GRP-TK2	TANK 05, TANK03, TANK04, TANK06, TANK07, TANK08, TANK09, TANK10, TANK17, TANK18	40 CFR Part 60, Subpart Kb	Constructed, reconstructed or modified prior to July 23, 1984.
GRP-TK3	TANK11, TANK12, TANK13, TANK14, TANK15, TANK16, TANK19, TANK20, TANK21, TANK22	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TK3	TANK11, TANK12, TANK13, TANK14, TANK15, TANK16, TANK19, TANK20, TANK21, TANK22	40 CFR Part 60, Subpart K	Tank capacity is less than 420,000 gallons, is storing condensate and was constructed after May 18, 1978.
GRP-TK3	TANK11, TANK12, TANK13, TANK14, TANK15, TANK16, TANK19, TANK20, TANK21, TANK22	40 CFR Part 60, Subpart Ka	Tank does not store a petroleum liquid.
GRP-TK3	TANK11, TANK12, TANK13, TANK14, TANK15, TANK16, TANK19, TANK20, TANK21, TANK22	40 CFR Part 60, Subpart Kb	Constructed, reconstructed or modified prior to July 23, 1984.
GRP-TK4	TANK24, TANK25, TANK26	30 TAC Chapter 115, Storage of VOCs	Tank stores something other than VOC.
GRP-TK4	TANK24, TANK25, TANK26	40 CFR Part 60, Subpart K	Tank capacity is less than 420,000 gallons, is storing condensate and was constructed after May 18, 1978.
GRP-TK4	TANK24, TANK25, TANK26	40 CFR Part 60, Subpart Ka	Tank does not store a petroleum liquid.
GRP-TK4	TANK24, TANK25, TANK26	40 CFR Part 60, Subpart Kb	Constructed, reconstructed or modified prior to July 23, 1984.
GRP-TURB2	10, 11	40 CFR Part 60, Subpart KKKK	Construction, modification or reconstruction prior to February 18, 2005.
GRP-TURB2	10, 11	40 CFR Part 63, Subpart YYYY	Source is an existing stationary combustion turbine that commenced construction or reconstruction before 1/14/03.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PAINT1	N/A	40 CFR Part 63, Subpart HHHHHH	There will be no paint stripping using Methyl Chloride ("MeCl"), spray application of coating to motor vehicles & mobile equipment, or spray application of coatings that contain the target HAPs chromium, lead manganese, nickel, or cadmium.
PAINT1	N/A	40 CFR Part 63, Subpart MMMM	The surface coating operation is considered facility maintenance per rule 40 CFR 63.3881(c)(2).
PRO-AMINE-1	N/A	40 CFR Part 60, Subpart LLL	The facility was constructed, reconstructed, or modified prior to 01/20/1984.
PRO-AMINE-2	N/A	40 CFR Part 60, Subpart LLL	The facility was constructed, reconstructed, or modified prior to 01/20/1984.
PRTSWSHR	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner with solvent true vapor pressure less than 0.6 psia@ 100F and drain area less than 16.
PRTSWSHR	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
TANK23	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
TANK23	N/A	40 CFR Part 60, Subpart K	Constructed after May 18, 1978.
TANK23	N/A	40 CFR Part 60, Subpart Ka	Constructed after July 23, 1984.
TANK23	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.

New Source Review Authorization References

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New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.263	Version No./Date: 11/01/2001
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: 106.373	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
10	SOLAR CENTAUR TURBINE UNIT #915	106.512/06/13/2001
10S	SOLAR CENTAUR TURBINE UNIT #915 STACK	106.512/06/13/2001
11	SOLAR CENTAUR TURBINE UNIT #916	106.512/06/13/2001
11S	SOLAR CENTAUR TURBINE UNIT #916 STACK	106.512/06/13/2001
12	MEP 10 ENGINE UNIT # 919	106.512/06/13/2001
12S	MEP 10 ENGINE UNIT # 919 STACK	106.512/06/13/2001
13	23-1413 SOUTH HOT OIL HEATER #1 46 MMBTU/HR	106.352/09/04/2000
13S	23-1413 SOUTH HOT OIL HEATER #1 46 MMBTU/HR STACK	106.352/09/04/2000
14	H-11 WEST AMINE REGEN HEATER #1 6.4 MMBTU/HR	106.352/09/04/2000
14S	H-11 WEST AMINE REGEN HEATER #1 6.4 MMSTU/HR STACK	106.352/09/04/2000
16	MEP 8 ENGINE UNIT # 920	106.512/06/13/2001
16S	MEP 8 ENGINE UNIT # 920 STACK	106.512/06/13/2001
17	MEP 8 ENGINE UNIT # 921	106.512/06/13/2001
17S	MEP 8 ENGINE UNIT # 921 STACK	106.512/06/13/2001
18	H-1 EAST AMINE REGEN HEATER #2 6.4 MMBTU/HR	106.352/09/04/2000
18S	H-1 EAST AMINE REGEN HEATER #2 6.4 MMBTU/HR STACK	106.352/09/04/2000
19	H-408R ETHANE DEHYDRATION HEATER 5.67MMBTU/HR	106.352/09/04/2000
19S	H-408R ETHANE DEHYDRATION HEATER 5.67MMBTU/HRSTACK	106.352/09/04/2000
1	SOLAR CENTAUR TURBINE UNIT #987	106.512/06/13/2001

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1S	SOLAR CENTAUR TURBINE UNIT #987 STACK	106.512/06/13/2001
23	PLANT FUGITIVES	106.352/09/04/2000
24	CO2 RICH GAS FLARE STACK	106.492/09/04/2000
25	23-1412R NORTH HOT OIL HEATER #2 60 MMBTU/HR	106.352/09/04/2000
25S	23-1412R NORTH HOT OIL HEATER #2 60 MMBTU/HR STACK	106.352/09/04/2000
26	23-0301 LIQUID REGEN HEATER 6.61MMBTU/HR	106.352/09/04/2000
26S	23-0301 LIQUID REGEN HEATER 6.61 MMBTU/HR STACK	106.352/09/04/2000
27	H-401 GLYCOL HEATER 13.5 MMBTU/HR	106.352/09/04/2000
27S	H-401 GLYCOL HEATER 13.5 MMBTU/HR STACK	106.352/09/04/2000
2	SOLAR CENTAUR TURBINE UNIT #913	106.512/06/13/2001
2S	SOLAR CENTAUR TURBINE UNIT # 913 STACK	106.512/06/13/2001
3	SOLAR CENTAUR TURBINE UNIT # 914	106.512/06/13/2001
3S	SOLAR CENTAUR TURBINE UNIT # 914 STACK	106.512/06/13/2001
4	MEP 6 ENGINE UNIT #917	106.512/06/13/2001
4S	METP 6 ENGINE UNIT # 917 STACK	106.512/06/13/2001
5	MEP 6 ENGINE UNIT # 918	106.512/06/13/2001
5S	MEP 6 ENGINE UNIT # 918 STACK	106.512/06/13/2001
6	GAS DEHYDRATION HEATER 6.5 MMBTU/HR	106.352/09/04/2000
6S	GAS DEHYDRATION HEATER 6.5 MMBTU/HR STACK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
7	MAIN FLARE	106.492/09/04/2000
COOL TWR	COOLING TOWER	106.371/09/04/2000
EMER GEN 1	EMERGENCY GENERATOR 1	106.511/09/04/2000
EMER GEN 1S	EMERGENCY GENERATOR 1 STACK	106.511/09/04/2000
FIRE PUMP 1	FIRE WATER #1 PUMP ENGINE	106.511/09/04/2000
FIRE PUMP 1S	FIRE WATER #1 PUMP ENGINE STACK	106.511/09/04/2000
FIRE PUMP 2	FIRE WATER #2 PUMP ENGINE	106.511/09/04/2000
FIRE PUMP 2S	FIRE WATER #2 PUMP ENGINE STACK	106.511/09/04/2000
LOAD1	LOADING CONDENSATE	106.352/09/04/2000
LOAD2	LOADING VOC	106.352/09/04/2000
LOAD3	LOADING PROPANE	106.352/09/04/2000
LOAD4	LOADING GASOLINE	106.352/09/04/2000
PAINT1	NON-ENCLOSED ABRASIVE BLASTING AND SURFACE COATING	106.433/09/04/2000, 106.452/09/04/2000
PRO-AMINE-1	AMINE ACID GAS REMOVAL UNIT-1	106.352/09/04/2000
PRO-AMINE-2	AMINE ACID GAS REMOVAL UNIT-2	106.352/09/04/2000
PRTSWSHR	PARTS WASHER	106.454/11/01/2001
TANK 05	SLOP OIL TANK NO. 3 210 BBL	106.352/09/04/2000
TANK01	CONDENSATE STORAGE TANK 1 C1418	106.352/09/04/2000
TANK02	CONDENSATE STORAGE TANK 2 C1405	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK03	SLOP OIL TANK NO 1 210 BBL	106.352/09/04/2000
TANK04	SLOP OIL TANK NO. 2 400 BBL	106.352/09/04/2000
TANK06	MOBIL DTE OIL TANK 33-1502	106.352/09/04/2000
TANK07	MEP OIL TANK 33-1501	106.352/09/04/2000
TANK08	HOT OIL TANK 100 BBL 33-1411	106.352/09/04/2000
TANK09	SOLAR OIL TANK 100 BBL 33-1503	106.352/09/04/2000
TANK10	WASTEWATER TANK 210 BBL	106.352/09/04/2000
TANK11	LUBE OIL TANK 1 150 GAL	106.352/09/04/2000
TANK12	LUBE OIL TANK 2 300 GAL	106.352/09/04/2000
TANK13	LUBE OIL TANK 3 300 GAL	106.352/09/04/2000
TANK14	SOLAR OIL TANK 1 500 GAL	106.352/09/04/2000
TANK15	HOT OIL TANK 70 GAL	106.352/09/04/2000
TANK16	SOLAR OIL TANK 2 1000 GAL	106.352/09/04/2000
TANK17	RO WATER TANK 100 BBL 33-1201	106.352/09/04/2000
TANK18	AMINE TANK 100 BBL 33-701	106.352/09/04/2000
TANK19	USED OIL TANK 1 1000 GAL	106.352/09/04/2000
TANK20	USED OIL TANK 2 265 GAL	106.352/09/04/2000
TANK21	FIRE WATER DIESEL TANK 500 GAL	106.352/09/04/2000
TANK22	SOAP TANK 500 GAL	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK23	GASOLINE TANK 500 GAL	106.352/09/04/2000
TANK24	SULFURIC ACID TANK 50 BBL	106.352/09/04/2000
TANK25	WATER TANK 1	106.352/09/04/2000
TANK26	WATER TANK 2	106.352/09/04/2000
TANK27	C1425 CONDENSATE TANK 300 BBL	106.352/09/04/2000
TANK28	SLOP OIL TANK NO. 4	106.352/09/04/2000

Appendix A

Acronym List 44

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
EIP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound