FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Natural Gas Pipeline Company of America LLC

AUTHORIZING THE OPERATION OF
Compressor Station 802
Pipeline Transportation of Natural Gas

LOCATED AT
Lamar County, Texas
Latitude 33° 31′ 12″ Longitude 95° 38′ 10″
Regulated Entity Number: RN100220987

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.

This permit shall expire five 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: O272 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.

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. 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.

Additional Monitoring Requirements

5. 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 or minimum frequency 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

6. 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 (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated September 12, 2025 in the application for project 39006), 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

7. 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.

8. 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

9. 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.

10. 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)

Permit Location

11. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

12. 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

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
BDS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
G1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-E	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	E1, E2, E3	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-LD1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DT1-LD, DT2-LD, ESCT1-LD, ESCT2-LD, ESCT3-LD, GWST1-LD, GWTT1-LD, LOT1-LD, LOT2-LD, WOT1-LD, WWT1-LD	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TK1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	DT1, DT2, ESCT1, ESCT2, ESCT3, GWST1, GWTT1, LOT1, LOT2, WOT1, WWT1	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H1-CAT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	111A-1	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)
BDS	EP	111A-1	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
G1	EP	111A-1	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-E	EP	111A-1	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-LD1	EP	111A-1	Opacity	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)
				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.			
GRP-TK1	EP	111A-1	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	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)
						and therefore no monitoring is required to demonstrate compliance.			
H1-CAT	EP	111A-1	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

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: G1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111A-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	
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, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-E	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111A-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	
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, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: H1-CAT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111A-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	
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, it shall be considered and reported as a deviation.	

Permit Shield

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 ID No.	Group / Inclusive Units	Regulation	Basis of Determination
FUG	N/A	40 CFR Part 60, Subpart KKK	Site is not an onshore natural gas processing plant.
G1	N/A	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was constructed prior to and not modified/reconstructed after 6/12/2006.
G1	N/A	40 CFR Part 63, Subpart ZZZZ	Stationary SI ICE is an existing 4SLB greater than 500 HP located at a major source of HAPs.
GRP-E	E1, E2, E3	40 CFR Part 60, Subpart JJJJ	Stationary SI ICE was constructed prior to and not modified/reconstructed after 6/12/2006.
GRP-E	E1, E2, E3	40 CFR Part 63, Subpart ZZZZ	Stationary SI ICE is an existing 2SLB greater than 500 HP located at a major source of HAPs.
GRP-LD1	DT1-LD, DT2-LD, ESCT1-LD, ESCT2-LD, ESCT3-LD, GWST1-LD, GWTT1-LD, LOT1-LD, WOT1-LD, WWT1-LD	30 TAC Chapter 115, Loading and Unloading of VOC	All loading and unloading of VOC other than gasoline is exempt from the requirements of this division.
GRP-LD1	DT1-LD, DT2-LD, ESCT1-LD, ESCT2-LD, ESCT3-LD, GWST1-LD, GWTT1-LD, LOT1-LD, LOT2-LD, WOT1-LD, WWT1-LD	30 TAC Chapter 115, Loading and Unloading of VOC	All loading and unloading of VOCs other than gasoline is exempt from the requirements of this division.
GRP-TK1	DT1, DT2, ESCT1, ESCT2, ESCT3, GWST1, GWTT1, LOT1, LOT2, WOT1, WWT1	40 CFR Part 60, Subpart Kb	Each storage vessel capacity is less than 75 m3.
H1-CAT	N/A	40 CFR Part 63, Subpart DDDDD	This heater is a catalytic device that provides heat without a flame; therefore, it does not meet the definition of a process heater in 63.7575.

New Source Review Authorization References

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.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX783	Issuance Date: 01/05/2024
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 20283	Issuance Date: 01/05/2024
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 3	Version No./Date: 09/12/1989
Number: 51	Version No./Date: 09/12/1989
Number: 53	Version No./Date: 09/12/1989
Number: 86	Version No./Date: 09/12/1989
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 107	Version No./Date: 09/12/1989

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**
BDS	STATION BLOWDOWNS	106.359/09/04/2000
DT1	CONDENSATE STORAGE TANK	20283, PSDTX783
DT1-LD	DRIP TANK LOADING/UNLOADING	53/09/12/1989
DT2	MEP DRIP TANK	53/09/12/1989
DT2-LD	MEP DRIP TANK LOADING/UNLOADING	53/09/12/1989
E1	COOPER-BESSEMER 12W330 SI ICE - 6960 HP	20283, PSDTX783
E2	COOPER-BESSEMER 12W330 SI ICE - 6960 HP	20283, PSDTX783
E3	COOPER-BESSEMER 12W330 SI ICE - 6960 HP	20283, PSDTX783
ESCT1	GLYCOL/WATER STORAGE TANK	20283, PSDTX783
ESCT1-LD	GLYCOL/WATER TANK LOADING/UNLOADING	51/09/12/1989
ESCT2	GLYCOL/WATER STORAGE TANK	20283, PSDTX783
ESCT2-LD	GLYCOL/WATER TANK LOADING/UNLOADING	51/09/12/1989
ESCT3	GLYCOL/WATER STORAGE TANK	20283, PSDTX783
ESCT3-LD	GLYCOL/WATER TANK LOADING/UNLOADING	51/09/12/1989
FUG	STATION FUGITIVE EQUIPMENT	20283, PSDTX783
G1	WAUKESHA F2895GL SI ICE - 575 HP	106.511/09/04/2000
GWST1	GLYCOL/WATER STORAGE TANK	20283, PSDTX783
GWST1-LD	GLYCOL/WATER TANK LOADING/UNLOADING	51/09/12/1989
GWTT1	GLYCOL/WATER STORAGE TANK	20283, PSDTX783
GWTT1-LD	GLYCOL/WATER TANK LOADING/UNLOADING	51/09/12/1989
H1-CAT	FUEL GAS CATALYTIC HEATER	106.183/09/04/2000

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**
LOT1	LUBE OIL STORAGE TANK	20283, PSDTX783
LOT1-LD	LUBE OIL TANK LOADING/UNLOADING	51/09/12/1989
LOT2	2,814-GALLON LUBE OIL TANK	106.478/09/04/2000
LOT2-LD	LUBE OIL TANK LOADING/UNLOADING	106.472/09/04/2000
WOT1	USED OIL STORAGE TANK	20283, PSDTX783
WOT1-LD	USED OIL TANK LOADING/UNLOADING	51/09/12/1989
WWT1	WASTEWATER STORAGE TANK	20283, PSDTX783
WWT1-LD	WASTEWATER TANK LOADING/UNLOADING	51/09/12/1989

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

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
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (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
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
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
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
RO ..... Responsible Official
SIP ..... state implementation plan
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

Appendix B

Major NSR Summary Table

Permit Numbers 20283 and PSDTX783					Issuance Date:01/05/2024		
			Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
E1	Cooper-Bessemer 12W330 Reciprocating Compressor Engine	NO_x	30.69	134.42	6, 7, 8, 9	6, 7, 8, 9, 10, 11	6, 7, 9, 12
		CO	30.69	134.42			
		VOC	4.14	18.15			
		SO_2	0.03	0.11			
		PM	2.06	9.04			
		PM_{10}	2.06	9.04			
		$PM_{2.5}$	2.06	9.04			
		Formaldehyde	2.36	10.33			
E2	Cooper-Bessemer 12W330 Reciprocating Compressor Engine	NO_x	30.69	134.42	6, 7, 8, 9	6, 7, 8, 9, 10, 11	6, 7, 9, 12
		CO	30.69	134.42			
		VOC	4.14	18.15			
		SO_2	0.03	0.11			
		PM	2.06	9.04			
		PM_{10}	2.06	9.04			

Major NSR Summary Table

Permit Numbers 20283 and PSDTX783					Issuance Date:01/05/2024		
			Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		$PM_{2.5}$	2.06	9.04			
		Formaldehyde	2.36	10.33			
E3	Cooper-Bessemer 12W330 Reciprocating Compressor Engine	NO_x	30.69	134.42	6, 7, 8, 9	6, 7, 8, 9, 10, 11	6, 7, 9, 12
		CO	30.69	134.42			
		VOC	4.14	18.15			
		SO_2	0.03	0.11			
		PM	2.06	9.04			
		PM_{10}	2.06	9.04			
		$PM_{2.5}$	2.06	9.04			
		Formaldehyde	2.36	10.33			
H1	Fuel Gas Heater	NO_x	0.07	0.31	5		
		CO	0.06	0.26			
		VOC	< 0.01	0.02			
		SO_2	0.02	0.07			

Major NSR Summary Table

Permit Numbers 20283 and PSDTX783					Issuance Date:01/05/2024		
			Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	0.01	0.02			
		PM_{10}	0.01	0.02			
		$PM_{2.5}$	0.01	0.02			
FUG	Facility Fugitives	NO_x	< 0.01	< 0.01			
		CO	< 0.01	< 0.01			
		VOC	0.90	3.92			
		SO_2	< 0.01	< 0.01			
		PM	< 0.01	< 0.01			
		PM_{10}	< 0.01	< 0.01			
		$PM_{2.5}$	< 0.01	< 0.01			
DT1	3,780-Gallon Drip Tank	VOC	0.01	0.06			
WOT1	3,780-Gallon Waste Oil Tank	VOC	< 0.01	0.01			
WWT1	3,780-Gallon Waste Water Tank	VOC	< 0.01	< 0.01			

Major NSR Summary Table

Permit Numbers 20283 and PSDTX783					Issuance Date:01/05/2024		
			Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
LOT1	6,000-Gallon Lube Oil Tank	VOC	< 0.01	< 0.01			
GWST1	3,600-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01			
GWTT1	3,600-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01			
ESCT1	1,300-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01			
ESCT2	1,300-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01			
ESCT3	1,300-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
CO - carbon monoxide
Formaldehyde - a subset and species of VOC
(4) Compliance with annual emission limits (tons per year) is based on a 12 month

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Natural Gas Pipeline Company of America LLC
Authorizing the Construction and Operation of
Compressor Station 802
Located at **Paris, Lamar County, Texas**
Latitude 33.52 Longitude -95.6361

Permits: 20283 and PSDTX783

Amendment Date: January 5, 2024

Expiration Date: October 20, 2026

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] [1]
2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements**. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
µg/m^3 = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards

PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 20283 and PSDTX783

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in that attached table. The annual rates are based on a rolling 12- month period.

Emission Limits, Fuel Specifications, and Work Practices

2. Opacity of emissions from the facility must not exceed 5 percent averaged over a six-minute period, except for those periods described in Texas Commission on Environmental Quality (TCEQ) 30 TAC § 211.111(a)(1)(E). The opacity shall be determined by the U.S. Environmental Protection Agency (EPA) Reference Method 9.

3. A copy of this permit shall be kept at the plant site and made available at the request of personnel from the TCEQ or any air pollution control agency with jurisdiction. In addition, the holder of this permit shall physically identify and permanently mark in a conspicuous location all equipment that has the potential of emitting air contaminants as follows:

   A. The facility identification numbers as submitted to the Emissions Inventory Section of the TCEQ.

   B. The emission point numbers (EPNs) as listed on the maximum allowable emission rates table.

4. Fuel fired in the three Cooper Bessemer 12W330 Reciprocating Compressor Engines, and the fuel heater is limited to pipeline quality sweet natural gas containing no more than 0.25 grain hydrogen sulfide and 5.0 grains total sulfur per 100 dry standard cubic feet. The use of any other fuel will require a modification to this permit.

5. Emission concentrations of nitrogen oxides (NO_x) in the stack gases from the 0.75 MMBtu/hr fuel heater are limited to 0.10 lb/MMBtu.

6. The emissions from the internal combustion reciprocating engines at this site are limited as follows:

Emission Unit	Pollutant	Emission Rate at Full Load and Speed		Exhaust Oxygen (O_2) Content (%)
		g/hp-hr	ppmvw	
Cooper Bessemer 12W330	NO_x	2.0	150	15.0
	CO	2.0	245	15.0
	VOC	0.27	25	15.0

   A. All measured emission concentrations shall be reported on a wet basis corrected to the engine exhaust content noted above.

   B. The grams per horsepower-hour (g/hp-hr) and ppmvw emission limits stated herein apply only during operation of the above equipment at full load and engine speed.

   C. However, the emission limitations of Special Condition No.1 are applicable at all times.

Initial Determination of Compliance

7. Engines which have previously been tested to demonstrate initial compliance need not be retested under this condition.

   A. The holder of this permit shall perform stack testing to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from two of the three Cooper Bessemer 12W330 Compressor Engines, identified as EPNs E1 through E3. If any engine of a specific model which is tested exceeds any applicable emission limit of this permit, then all engines of that model shall be tested. The holder of this permit is responsible for providing testing facilities and conducting the testing operations at his expense.

   B. Gaseous sampling ports for the engine shall consist of 1 two-inch diameter or larger schedule 40 coupling or 1 three-inch long pipe nipple installed in the exhaust system according to EPA Method 1 at a location where the full flow to the engine exhaust sweeps by the sampling point and where sufficient turbulence (no stratification) may be expected to insure a representative sample.

      Sampling platform(s) shall be incorporated into the design of the engine stacks according to the specifications set forth in the attachment entitled “Chapter 2, Stack Sampling Facilities.” Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Manager.

   C. The TCEQ Tyler Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

      The notice shall include:

      (1) Date for pretest meeting.

      (2) Date sampling will occur.

      (3) Name of firm conducting sampling.

      (4) Type of sampling equipment to be used.

      (5) Method or procedure to be used in sampling.

      (6) Procedure to be used to determine engine horsepower load during sampling period.

      The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

      A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Manager shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in D of this condition shall be submitted to the TCEQ Air Permits Division. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standard testing which must have EPA approval shall be submitted to the TCEQ Air Permits Division.

   D. Air contaminants emitted from the engines to be tested for include (but are not limited to) NO_x, nitric oxide (NO), carbon monoxide (CO), volatile organic compounds (VOC), O_2, and opacity. In addition, the NO to NO_x ratio shall be determined for each engine tested at full load.

E. Engine emissions shall be determined by appropriate EPA methods or other methods approved by the TCEQ Tyler Regional Manager prior to sampling. The opacity shall be determined by EPA Method 9, and the number of observations required to demonstrate compliance with the limit specified in Special Condition No. 2 shall be determined by Title 40 Code of Federal Regulations Part 60.11(b) (40 CFR 60.11[b]). Emissions shall be sampled at four points over the normal load range of the engine, including the minimum and maximum of the speed range. The maximum load shall be the maximum engine load achievable for the ambient conditions during the test. At each test load, the following operating parameters shall be varied to identify the range over which the allowable emission limits are not exceeded: exhaust O_2 content, air-fuel ratio as measured by exhaust O_2 content, inlet air temperatures and pressure, engine speed, and spark ignition timing. In an effort to be representative of normal operating conditions, no other engine adjustments shall be made during the compliance sampling period. The nature of all engine adjustments shall be clearly described in the sampling report.

F. At all load and speed conditions, the emissions of the Engines designated as E1 through E3 shall be limited to the vendor guarantee curves for each contaminant attached as Figure 1.

G. For test purposes only, the holder of this permit may operate the compressor and generator engines outside their proposed operating range during the initial performance test. This shall be solely for the purpose of determining the compliance operating range of the engines. Exceedances of the emission limitations of Special Condition Nos. 1 and 6 which may occur while performing testing outside the proposed operating range shall not be a violation of this permit. The emission limitations of Special Condition Nos. 1 and 6 are applicable at all other times.

H. Sampling shall occur within 60 days after initial startup of the facilities and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.

I. Three copies of the final sampling report shall be forwarded to the TCEQ within 30 days after sampling is completed. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

(1) One copy to the TCEQ Tyler Regional Office.

(2) One copy to the TCEQ Office of Air, Air Permits Division in Austin.

(3) One copy to the EPA Dallas Regional Office.

Continuous Determination of Compliance

8. For Compressor Engines E1 through E3, speed and horsepower shall be maintained in the range determined by the sampling required in Special Condition No. 7.C to result in emissions compliance. Engines not sampled pursuant to Special Condition No. 7.C shall be operated in the same range and be limited to the same operational limits as the identical units that are sampled. Prior to receiving sampling results, engine speed and horsepower shall be maintained in the compliance operating region shown on the attached Figure 1. Upon approval of the Executive Director of the TCEQ following receipt of the sampling test results, the speed and horsepower limits on Figure 1 may be modified. The following engine parameters shall be sampled once per hour and shall not exceed the limits specified below:

Engine Parameter	High Limit	Low Limit
Engine Load (bhp)	6,960	3,605
Air Manifold Temperature (°F)	130	69.5
Air Manifold Pressure (In. Hg)	35.6	11.9
Fuel Manifold Pressure (psig)	84.9	33.1
Engine Speed (rpm)	335	290
Air/Fuel Ratio (In. Hg/psig)	0.51	0.34

Written records of the results of all engine parameter monitoring required in Special Condition No. 8 shall be made and maintained at the plant site by the holder of this permit on a five-year rolling retention basis and shall be made available upon request to designated representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction.

9. In order to demonstrate that the emission limits specified in Special Condition Nos. 1 and 6 are continuously met, the holder of this permit shall perform the following: **(01/24)**

   A. Conduct evaluations of engine performance quarterly, based on the calendar year, by measuring the nitrogen oxide (NO_x), carbon monoxide (CO), and oxygen (O_2) content of the exhaust. After four consecutive acceptable quarterly tests, the engine testing schedule may be changed to semiannually, with at least four months between tests, upon approval from the Tyler Regional Director.

   B. If an engine fails a semiannual test, it shall return to the requirements of subparagraph A of this special condition.

   C. Individual engines shall be subject to quarterly performance evaluation if they were in operation for 1,000 hours or more during the subject three-month (quarterly) period. The performance of each engine shall be evaluated at a minimum once per year that the engine is operating.

   D. If an engine is out of operation for more than four consecutive quarters, the performance of the engine shall be evaluated within the first 200 operating hours after returning to service.

   E. The use of portable analyzers specifically designed for measuring the concentration of each contaminant in ppm is acceptable for this evaluation.

      (1) A hot air probe or equivalent should be used with the portable analyzers to prevent introduction of error in results because of high stack temperatures.

      (2) Three sets of measurements should be averaged to determine the concentrations.

      (3) Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in 40 CFR Part 60, Appendix F, § 5.1.2(3).

      (4) Any other method approved by the TCEQ Regional Manager is also acceptable.

   F. The NO_x emission rate shall be determined from the NO_x values determined in Special Condition No. 9 A and the NO to NO_x ratio determined in Special Condition No. 7 E.

G. The testing required in Special Condition No. 9 A shall be used in conjunction with the methods required in Special Condition No. 8 for demonstrating continuous compliance with Special Condition No. 1.

H. Emissions shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during start up, shutdown, or under breakdown conditions. Emission rates shall be reported in ppmvw and corrected to the O_2 content listed in Special Condition No. 6 in brake specific units of g/hp hr and in units of pound per hour.

10. Written records of the results of all quarterly compliance testing required in Special Condition No. 9.A shall be made and maintained at the plant site by the holder of this permit on a five-year rolling retention basis and shall be made available upon request to designated representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction.

    Written records shall also be maintained showing the results of emission tests required in Special Condition No. 9 as a result of maintenance or shutdown procedures.

11. The five-year record retention requirement does not apply to records generated prior to January 4, 2011, except that all records required to demonstrate compliance with Title 40 CFR Part 63 shall be retained for five years.

Reporting

12. The holder of this permit shall submit to the TCEQ Regional Office and the TCEQ Air Permits Division in Austin, annual reports. Such reports are required for each emission unit which is subject to Special Condition No. 9.

    A. Each report shall contain the results of the quarterly tests required in Special Condition No. 9.

    B. Each report shall contain the hours of operation of the engine and a summary of the periods of emissions exceedances and downtimes by cause.

    C. When no excess emissions or air pollution control equipment failures or adjustments have occurred, such information shall be stated in the report.

    D. For the Compressor Engines E1 through E3, an emissions exceedance of NO_x and CO is defined as each one-hour period during any day of operation during which the engine parameters monitored pursuant to Special Condition No. 9 are outside of the compliance operating limits and speed and horsepower are outside the region shown on the attached Figure 1. Noncomplying emissions of NO_x and CO are also defined as any quarterly measurement which exceeds 150 ppmv and 245 ppmv, respectively, at full load and full speed.

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 20283 and PSDTX783

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
E1	Cooper-Bessemer 12W330 Reciprocating Compressor Engine	NO_x	30.69	134.42
		CO	30.69	134.42
		VOC	4.14	18.15
		SO_2	0.03	0.11
		PM	2.06	9.04
		PM_{10}	2.06	9.04
		$PM_{2.5}$	2.06	9.04
		Formaldehyde	2.36	10.33
E2	Cooper-Bessemer 12W330 Reciprocating Compressor Engine	NO_x	30.69	134.42
		CO	30.69	134.42
		VOC	4.14	18.15
		SO_2	0.03	0.11
		PM	2.06	9.04
		PM_{10}	2.06	9.04
		$PM_{2.5}$	2.06	9.04
		Formaldehyde	2.36	10.33
E3	Cooper-Bessemer 12W330 Reciprocating Compressor Engine	NO_x	30.69	134.42
		CO	30.69	134.42
		VOC	4.14	18.15
		SO_2	0.03	0.11
		PM	2.06	9.04
		PM_{10}	2.06	9.04
		$PM_{2.5}$	2.06	9.04
		Formaldehyde	2.36	10.33

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
H1	Fuel Gas Heater	NO_x	0.07	0.31
		CO	0.06	0.26
		VOC	< 0.01	0.02
		SO_2	0.02	0.07
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
FUG	Facility Fugitives	NO_x	< 0.01	< 0.01
		CO	< 0.01	< 0.01
		VOC	0.90	3.92
		SO_2	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
DT1	3,780-Gallon Drip Tank	VOC	0.01	0.06
WOT1	3,780-Gallon Waste Oil Tank	VOC	< 0.01	0.01
WWT1	3,780-Gallon Waste Water Tank	VOC	< 0.01	< 0.01
LOT1	6,000-Gallon Lube Oil Tank	VOC	< 0.01	< 0.01
GWST1	3,600-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01
GWTT1	3,600-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01
ESCT1	1,300-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01
ESCT2	1,300-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01
ESCT3	1,300-Gallon Glycol/Water Tank	VOC	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
CO - carbon monoxide
Formaldehyde - a subset and species of VOC
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: October 20, 2016