FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
City of Austin

AUTHORIZING THE OPERATION OF
Decker Creek Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Travis County, Texas
Latitude 30° 18′ 13″ Longitude 97° 36′ 46″
Regulated Entity Number: RN100219872

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: O22 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.

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

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. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the

Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water

vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. 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)

F. Permit holder shall comply with the following requirements for steam generators:

(i) Emissions from any oil or gas fuel-fired steam generator with a heat input capacity greater than 2,500 MMBtu per hour may not exceed 0.1 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(c) (relating to Emissions Limits for Steam Generators).

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(c)(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 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(1) (relating to Control Requirements)

B. Title 30 TAC § 115.512(2) (relating to Control Requirements)

C. Title 30 TAC § 115.516 (relating to Recordkeeping Requirements)

D. Title 30 TAC § 115.515 (relating to Testing Requirements)

E. Title 30 TAC § 115.517(1) (relating to Exemptions), for long-life stockpiling

F. Title 30 TAC § 115.517(2) (relating to Exemptions), for penetrating prime coat use only

7. 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)

8. 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.

9. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, 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 § 63.11113(c), for compliance due to increase of throughput

D. Title 40 CFR § 63.11115(a), for operation of the source

E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

F. Title 40 CFR § 63.11116(b), for records availability

G. Title 40 CFR § 63.11116(d), for portable gasoline containers

Additional Monitoring Requirements

10. 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

11. 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 December 6, 2024 in the application for project 37469), 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

12. 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.

13. 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

14. 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.

15. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.

16. 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

17. 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)

18. 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.

Cross-State Air Pollution Rule (CSAPR) Trading Program Requirements

19. For units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), located at the site identified by Plant code/ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

(i) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall operate the source and the unit in compliance with the requirements of the CSAPR NO_x Ozone Season Group 2 Trading Program and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply

with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

(i) The CSAPR subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s). These unit(s) are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.

(1) For units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B (identified in the Certificate of Representation as units GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), the owners and operators shall comply with the Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR § 75.19 for NO_x and heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

(iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources.

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit(s) included above meet the requirement of 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

20. CSAPR NO_x Ozone Season Group 2 Trading Program Requirements (40 CFR § 97.806)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.813 through 97.818.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811 (a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.824 (a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Group 2 units at the source.

(2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR

NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824 (d); and

(b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825 (a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825 (b), of multiplying -

(a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810 (a) and the state's variability limit under 40 CFR § 97.810 (b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.

(5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,

(a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(2) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraph C.(i)(1) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs C.(i)(2)(a) and (ii)(1) through (3) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or

between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

(vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.

(ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 source or the designated representative of a CSAPR NO_x Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_x Ozone Season Group 2 units at the source.

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the CSAPR NO_x Ozone Season Group 2 Trading Program or exemption under 40 CFR § 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Ozone Season Group 2 source or CSAPR NO_x Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

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
DCK-F1	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
DCK-F1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DCK-F2	SRIC ENGINES	N/A	60IIII-2	40 CFR Part 60, Subpart IIII	No changing attributes.
DCK-F2	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-3	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-4	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
EM-4	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-TKLORV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, GT4BGELORV	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP-TSTACK	EMISSION	GT-1A, GT-1B, GT-	R1111-1	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B		Emissions	
GRP-TURB	STATIONARY TURBINES	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
USEDLDG	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	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)
DCK-F1	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
DCK-F1	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for	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)
						compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
DCK-F2	EU	60IIII-2	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
DCK-F2	EU	60IIII-2	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source	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)
						that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table 2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 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)
					§ 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)				
EM-4	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042-Appendix I § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(e)-(f), 40 CFR 1042.101, and 40 CFR 1042-Appendix I.	None	None	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042-Appendix I § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 15 liters per cylinder and less than 30 liters per cylinder and is a 2007 - 2013 model year must comply with a PM emission limit of 0.50 g/KW-hr, as stated in 40 CFR 60.4202(e)(1), (e)(3) and 40 CFR 1042-Appendix I.	None	None	[G]§ 60.4214(d)
EM-4	EU	60IIII-1	Total Hydrocarbons/NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042-Appendix I § 60.4202(e)(1) § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater	None	None	[G]§ 60.4214(d)

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)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	than or equal to 15 liters per cylinder and less than 20 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 8.7 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 1042-Appendix I.			
EM-4	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GRP-TKLORV	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(c)(1)(B) § 115.127(c)(1)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(c)(1)(B)-(C) of this title equal to or less than 100 lbs in a continuous 24-hour period is exempt from the requirements of §115.121(c)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP-TSTACK	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not	[G]§ 111.111(a)(1)(F)	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)
				Emissions		exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	** See Periodic Monitoring Summary		
GRP-TURB	EU	R7131-1	Exempt	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(2) § 117.3003 § 117.3003(2)(B)	The provisions of this division, except as specified in §117.3040 and §117.3045 of this title (relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping, and Reporting Requirements), do not apply to stationary gas turbines which are used solely to power other units during startups or demonstrated to operate no more than an average of 10% of the hours of the year, averaged over the three most recent calendar years, and no more than 20% of the hours in a single calendar y	§ 117.3040(i)	§ 117.3040(i)	[G]§ 117.3040(j)
USEDLDG	EU	R5211-1	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) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 15% averaged over a six-minute period	
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.	

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
DCK-F1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device.
DCK-F1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine.
DCK-F2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used a VOC control device.
DCK-F2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine.
DD65DST4	N/A	30 TAC Chapter 115, Storage of VOCs	The storage tank capacity is less than 1,000 gallons.
DD65DST4	N/A	40 CFR Part 60, Subpart K	Tank was placed into service after May 19, 1978.
DD65DST4	N/A	40 CFR Part 60, Subpart Ka	Tank was placed into service after July 23, 1984.
DD65DST4	N/A	40 CFR Part 60, Subpart Kb	Tank volume is less than 75 cubic meters.
EM-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust stream is from a combustion unit not being used as a VOC control device.
EM-1	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine.
EM-1	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005, and has not been modified or reconstructed
EM-3	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device.
EM-3	N/A	30 TAC Chapter 117, Subchapter E, Division	Unit is not power boiler or gas turbine.

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
		1	
EM-3	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was constructed before July 11, 2005, and has not been modified or reconstructed
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	30 TAC Chapter 115, Water Separation	VOC true vapor pressure is less than 1.5 psia.
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons.
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons.
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal).
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 63, Subpart VV	This standard is not referenced by any other subpart of 40 CFR Parts 60, 61, or 63 that is applicable to the site.
GRP-TKFO	DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia.
GRP-TKFO	DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons.
GRP-TKFO	DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons.
GRP-TKFO	DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST,	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal).

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
	WOTNK		
GRP-TKLOR	GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia.
GRP-TKLOR	GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons.
GRP-TKLOR	GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR,	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 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 ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	GT4BGELOR, GT4GENLOR		
GRP-TKLOR	GT1AFTLOR, GT1AGELOR, GT1BFTLOR, GT1BGELOR, GT1GENLOR, GT2AFTLOR, GT2AGELOR, GT2BFTLOR, GT2BGELOR, GT2GENLOR, GT3AFTLOR, GT3AGELOR, GT3BFTLOR, GT3BGELOR, GT3GENLOR, GT4AFTLOR, GT4AGELOR, GT4BFTLOR, GT4BGELOR, GT4GENLOR	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal).
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart K	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKWT	WTCST1, WTCST10, WTCST2, WTCST3, WTCST3B, WTCST6, WTCST7, WTCST8, WTCST9	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TSTACK	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices.
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart GG	Construction, reconstruction, or modification commenced prior to October 3, 1977.
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification

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
	3A, GT-3B, GT-4A, GT-4B		commenced prior to February 18, 2005.
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 63, Subpart YYYY	Units are not located at a major source of HAPs.
HEATERS	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust gas stream is from a combustion unit not being used as a VOC control device.
HEATERS	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not a power boiler or gas turbine.
LPGCANISTR	N/A	30 TAC Chapter 115, Storage of VOCs	The storage capacity for LPG canisters is less than 1,000 gallons.
PAINT	N/A	40 CFR Part 63, Subpart HHHHHH	The site is not subject to the subpart because it does not perform any of the activities specified in 40 CFR 63.11170(a)(1)-(3).
PAINT	N/A	40 CFR Part 63, Subpart MMMM	Site is not a major source of HAPs.
PARTCLN1	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container.
PARTCLN1	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents.
PARTCLN2	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold solvent cleaner using a solvent with a TVP less than 0.6 psia measured at 100°F that has a drain area less than 16 in2 that disposes waste solvent in an enclosed container.
PARTCLN2	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents.

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.: PSDTX717M2	Issuance Date: 03/24/2022
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.: 17380	Issuance Date: 03/24/2022
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 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**
APISEP	MAIN OIL/WATER SEPARATOR	17380, PSDTX717M2
DCK-F1	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DCK-F2	FIREWATER PUMP ENGINE, 270 HP	106.511/09/04/2000
DD65DST1	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST2	EMERGENCY GENERATOR DIESEL FUEL STORAGE TANK	106.472/09/04/2000
DD65DST4	660 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
DDOWSEP	DISCHARGE DITCH OIL/WATER SEPARATOR	17380, PSDTX717M2
DOFPDST1	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 1	106.472/09/04/2000
DOFPDST2	ABOVE GROUND FIRE PUMP DIESEL STORAGE TANK 2	106.472/09/04/2000
EM-1	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-3	DIESEL FIRED EMERGENCY GENERATOR ENGINE, 952 HP	106.511/09/04/2000
EM-4	DIESEL-FIRED EMERGENCY GENERATOR ENGINE, 762 HP	106.511/09/04/2000
FLTDSLST	FLEET SERVICES BIODIESEL STORAGE - 500 GAL	106.412/09/04/2000
FLTGASST	FLEET SERVICES GASOLINE STORAGE TANK - 500 GAL	106.412/09/04/2000
GT-1A	GAS TURBINE UNIT 1A	17380, PSDTX717M2
GT-1A	GAS TURBINE UNIT 1A STACK	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B	17380, PSDTX717M2
GT-1B	GAS TURBINE UNIT 1B STACK	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A	17380, PSDTX717M2
GT-2A	GAS TURBINE UNIT 2A STACK	17380, PSDTX717M2
GT-2B	GAS TURBINE UNIT 2B	17380, PSDTX717M2

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**
GT-2B	GAS TURBINE UNIT 2B STACK	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A	17380, PSDTX717M2
GT-3A	GAS TURBINE UNIT 3A STACK	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B	17380, PSDTX717M2
GT-3B	GAS TURBINE UNIT 3B STACK	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A	17380, PSDTX717M2
GT-4A	GAS TURBINE UNIT 4A STACK	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B	17380, PSDTX717M2
GT-4B	GAS TURBINE UNIT 4B STACK	17380, PSDTX717M2
GT1AFTLOR	GAS TURBINE TWIN PACK 1A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1AFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1AGELOR	GAS TURBINE TWIN PACK 1A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1AGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLOR	GAS TURBINE TWIN PACK 1B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1BFTLORV	GAS TURBINE TWIN PACK 1 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT1BGELOR	GAS TURBINE TWIN PACK 1B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1BGELORV	GAS TURBINE TWIN PACK 1 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT1GENLOR	GAS TURBINE TWIN PACK 1 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT2AFTLOR	GAS TURBINE TWIN PACK 2A FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2AFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2AGELOR	GAS TURBINE TWIN PACK 2A GAS ENGINE LUBE OIL RES	17380, PSDTX717M2

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**
GT2AGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLOR	GAS TURBINE TWIN PACK 2B FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2BFTLORV	GAS TURBINE TWIN PACK 2 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT2BGELOR	GAS TURBINE TWIN PACK 2B GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2BGELORV	GAS TURBINE TWIN PACK 2 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT2GENLOR	GAS TURBINE TWIN PACK 2 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT3AFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AGELOR	GAS TURBINE TWIN PACK 3 GAS TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3AGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLOR	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3BFTLORV	GAS TURBINE TWIN PACK 3 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT3BGELOR	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3BGELORV	GAS TURBINE TWIN PACK 3 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT3GENLOR	GAS TURBINE TWIN PACK 3 GENERATOR LUBE OIL RES	17380, PSDTX717M2
GT4AFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4AFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4AGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4AGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLOR	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2
GT4BFTLORV	GAS TURBINE TWIN PACK 4 FREE TURBINE LUBE OIL RES	17380, PSDTX717M2

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**
GT4BGELOR	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4BGELORV	GAS TURBINE TWIN PACK 4 GAS ENGINE LUBE OIL RES	17380, PSDTX717M2
GT4GENLOR	GAS TURBINE TWIN PACK 4 GENERATOR LUBE OIL RES	17380, PSDTX717M2
HEATERS	SPACE HEATERS	17380, PSDTX717M2
LPGCANISTR	LPG CANISTERS	106.475/09/04/2000
PAINT	MAINTENANCE PAINTING	106.263/11/01/2001
PARTCLN1	PARTS CLEANER	17380, PSDTX717M2
PARTCLN2	PARTS CLEANER	17380, PSDTX717M2
TKOWSEPE	TANK FARM OIL/WATER SEPARATOR EAST	17380, PSDTX717M2
TKOWSEPN	TANK FARM OIL/WATER SEPARATOR NORTH	17380, PSDTX717M2
USEDLDG	USED OIL LOADING TO TANK TRUCKS	17380, PSDTX717M2
WOTNK	500 GAL WASTE OIL STORAGE TANK ON OIL/WATER SEP.	17380, PSDTX717M2
WTCST1	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST10	WATER TREATMENT CHEMCIAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST2	WATER TREATMENT CHEMICAL STORAGE - NALCO ELIMINOX	17380, PSDTX717M2
WTCST3	WATER TREATMENT CHEMCIAL STORAGE - CON HCL 450 GAL	17380, PSDTX717M2
WTCST3B	WATER TREATMENT CHEM STORAGE - CONC HCL 300 GAL	17380, PSDTX717M2
WTCST6	WATER TREATMENT CHEMCIAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST7	WATER TREATMENT CHEMICAL STORAGE - NALCO 5711	17380, PSDTX717M2
WTCST8	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2
WTCST9	WATER TREATMENT CHEMICAL STORAGE - NALCO THR404	17380, PSDTX717M2

**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
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: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9,13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-3B	Pratt and Whitney FT4C-1	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	25 MW Gas Turbine (6)	NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0	13, 14	9, 13, 14, 21, 22	13, 22
		NO_x (MSS)	160.0		17, 18	9, 18, 19, 21	
		CO	235.0	286.0	13, 17	13, 18, 19, 21	13
		VOC	34.0	41.0	13	13, 21	13
		VOC (MSS)	51.0		17, 18	18, 19, 21	
		PM	15.0	18.0	13, 17	13, 18, 19, 21	13
		PM_{10}	15.0	18.0	13, 17	13, 18, 19, 21	13
		SO_2	20.0	24.0	13, 17	13, 18, 19, 21	13
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1	18	18, 21	
		PM	0.48	2.1	18	18, 21	
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26		GC7	
		H_2S	<0.01	<0.01		GC7	
WTTNKS	Water Treatment Chemical	VOC	0.82	0.01	18	18, 21	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Storage Tanks (5) (Attachment C)	HCl	0.44	<0.01	18	18, 21	
		NH_3	0.01	0.01	18	18, 21	
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01		GC7	
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01	18	18, 21	
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08		GC7	
		CO	<0.01	0.02		GC7	
		VOC	<0.01	<0.01		GC7	
		PM	<0.01	0.01		GC7	
		PM_{10}	<0.01	0.01		GC7	
		$PM_{2.5}$	<0.01	0.01		GC7	
		SO_2	0.01	0.03		GC7	
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01	18	18, 19	
		VOC	1.23	0.10	18	18, 19	
		H_2S	<0.01	<0.01	18	18, 19	

Major NSR Summary Table

Permit Numbers: 17380 and PSDTX717M2					Issuance Date: March 24, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
MSSFUG	non-ILE Maintenance Emissions (5) (Attachment B)	VOC	1.67	2.18	18	18, 19	
		Exempt Solvent	1.67	0.02	18	18, 19	

(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 - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide
MSS - maintenance, startup, and shutdown emissions
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.
(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
City of Austin
Authorizing the Continued Operation of
Decker Creek Power Plant
Located at **Austin, Travis County, Texas**
Latitude 30° 18′ 14″ Longitude −97° 36′ 47″

Permit: 17380
Issuance Date: March 24, 2022
Expiration Date: March 24, 2032

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
$\mu g/m^3$ = 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
hp = horsepower
hr = hour 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 17380 and PSDTX717M2

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emissions Rates (MAERT)," including planned maintenance, startup, and shutdown activities (MSS) listed, and those sources are limited to the emission limits on that table, and other conditions specified in this permit. **(7/17)**

   If one emission rate limitation is more stringent than another, the more stringent limitation shall govern and be the standard by which compliance will be demonstrated.

Emission Limits, Operational Limitations, and Work Practices

2. The concentration of emissions from the turbines [Emission Point Numbers (EPNs): GT-1 (A/B), GT-2 (A/B), GT-3 (A/B), and GT-4 (A/B) shall not exceed 45 parts per million by volume dry (ppmvd) of nitrogen oxides (NO_x) at 15% oxygen (O_2) subject to the following specifications: **(7/17)**

   A. Startup for the gas turbines is defined as the period that begins when fuel flow is first detected and ends when 20 megawatts (MW) of gross electrical output is achieved for each individual turbine or 40 MW of gross electrical output is achieved for each pair of gas turbines that power a common generator shaft. A startup shall not to exceed 120 minutes and is excluded from the concentration limit. **(7/17)**

   B. Shutdown for the gas turbines is defined as the period that begins when the fuel flow to each gas turbine falls below the level necessary to maintain 20 MW of gross electrical output for each individual turbine and 40 MW of gross electrical output for each pair of turbines that power a common generator shaft, and ends when the turbine (or turbines) is no longer receiving fuel. A shutdown shall not exceed 120 minutes and is excluded from the concentration limit. **(7/17)**

   C. Emissions from maintenance activities (Attachment A and B) are excluded from the concentration limit. **(7/17)**

3. For each gas turbine, variable water injection rates necessary to comply with NO_x concentration limits in Special Conditions No. 2 shall be controlled by the custom water injection algorithm supplied by the turbine supplier. These algorithms shall be calibrated, and the constants determined and set, during the initial stack sampling required in Special Condition No. 13. These injection rates shall be maintained during all periods of turbine operation except MSS periods as defined in Special Condition No. 2. These required water injection rates shall be used to determine continuous compliance with Special Condition Nos. 1 and 2. **(7/17)**

4. An inlet air fogger system on eight gas turbines (Facility Identification Nos. GT-1A through GT-4A and GT-1B through GT-4B) can be operated to reduce NO_x emissions during high ambient temperature situations. **(7/17)**

5. Opacity of emissions from the gas turbines shall not exceed 15 percent averaged over a six-minute period as required by Title 30, Texas Administrative Code (30 TAC), Section 111.111(a)(1)(C), except for those periods described in 30 TAC § 111.111(a)(1)(E). The permit holder shall demonstrate compliance with this Special Condition in accordance with the following procedures: **(2/12)**

   A. Visible emission observations shall be conducted and recorded at least once during each calendar quarter while the facilities are in operation, unless the emission unit is not operating for the entire calendar quarter.

   B. These observations shall be made by first observing for visible emissions while each facility is in operation. Observations shall be made at least 15 feet and no more than 0.25 miles from the emission point(s). Up to three emissions points may be read concurrently, provided that all three emissions points are within a 70 degree viewing sector or angle in front of the

observer such that the proper sun position (at the observer's back) can be maintained for all three emission points. A certified opacity reader is not required for these visible emission observations.

C. When condensed water vapor is present within the plume as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.

D. If no visible emissions are present during the observations conducted as specified in this Special Condition, then compliance with the opacity limit will have been demonstrated.

E. If visible emissions are present, the permit holder shall perform one of the following within 24 hours:

(1) Assume that a deviation of the opacity limit specified in this Special Condition has occurred, or;

(2) Conduct and record an opacity observation as determined by Title 40, Code of Federal Regulations (40 CFR) Part 60, Appendix A, Reference Method (RM) 9 to determine if an exceedance of the opacity limit of Special Condition Nos. 5 and 6 has occurred.

F. If a deviation has occurred, take corrective action within 48 hours.

6. Opacity of emissions from Emission Point Number (EPN): GT-VENTS (Attachment C) shall not exceed 20 percent as required by 30 TAC §111.111(a)(1)(B), except for those periods described in 30 TAC § 111.111(a)(1)(E).

7. Operational Limitation

A. Annual - Operation of any gas turbine in excess of 2,430 hours firing will require authorization from the Executive Director of the TCEQ. **(7/17).**

B. May 1 - September 30 every year– Each of the eight turbines (EPN: GT-1A and GT-4B) shall not exceed 400 hours of operations for the entire period. **(9/19)**.

8. The salamander heaters (EPN: HEATERS) shall be limited to operating no more than 5 of the heaters at a time. **(7/17)**

9. The permit holder will voluntarily limit emissions of NO_x to a combined total of 1,500 tons per year (tpy) from the Decker Creek Power Plant and the Sand Hill Energy Center. The permit holder further agrees to make the 1,500 tpy cap between these two facilities federally enforceable with this permit. **(2/12)**

Fuel Specifications

10. Fuel fired in gas turbines under this permit is limited to pipeline-quality sweet natural gas containing no more than 0.25 grains of hydrogen sulfide and 10.0 grains of total sulfur per 100 dry standard cubic feet (dscf). Use of any other fuel will require a modification to this permit. **(7/17)**

11. Fuel for the heaters (EPN: HEATERS) shall be limited to diesel containing no more than 0.05 percent sulfur by weight for both short- and long-term emission limits. **(2/12)**

12. The holder of this permit shall provide an analysis of the fuel used in the facilities or allow a Texas Commission on Environmental Quality (TCEQ) representative to obtain a sample for analysis upon request by the Executive Director of the TCEQ.

Initial Determination of Compliance

13. The holder of this permit shall perform stack testing and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from at least four of the eight gas turbines. The "B" turbines shall be tested due to the proximity of high voltage power lines near the "A" end of the generators. Sampling shall be conducted in accordance with appropriate procedures of TCEQ Sampling Procedures Manual and in accordance with the U.S. Environmental Protection Agency (EPA) RM 5 for particulate matter (PM), RM 10 for the concentration of carbon monoxide (CO), RM 20 for the concentrations of NO_x and diluent gas (oxygen or carbon dioxide) and RM 25 for the concentration of volatile organic compounds (VOC). Fuel sampling using the methods and procedures of 40 CFR, Part 60, Subpart GG may be conducted in lieu of stack sampling for sulfur dioxide (SO_2). Compliance with the maximum allowable emission rates shall be based on 100 percent conversion of the sulfur in the fuel to SO_2. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense. **(2/12)**

    A. The TCEQ Austin 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. 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.

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

        A written proposed description of any deviation from sampling procedures specified in permit conditions, or the TCEQ or the EPA sampling procedures shall be made available to TCEQ at or prior to the pretest meeting. The Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in Special Condition No. 13B shall be submitted to TCEQ Office of Air, Air Permits Division in Austin.

    B. Air emissions to be tested for at full load include (but are not limited to) NO_x, CO, VOC, PM, and SO_2 while firing natural gas. NO_x and CO shall be sampled concurrently at the minimum point in the normal operating range, at base load and at the approximate midpoint based on the atmospheric conditions occurring during the test. **(9/19)**

    C. If any turbines tested exceed any applicable emission limit of this permit, that turbine shall not be operated on the fuel being fired when it exceeded the limit until it is able to comply with all emission limits as determined by further compliance tests.

    D. Sampling shall occur within 60 days after the facilities achieve maximum production, but not later than 180 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.

    E. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. Within 45 days after sampling is completed, reports shall be distributed as follows:

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

        (2) One copy to each appropriate local air pollution control program.

F. Initial determination of compliance stack testing was performed in March 1989 for burning pipeline-quality sweet natural gas. **(9/19)**

Continuous Determination of Compliance

14. The parameters measured shall include: compressor outlet static pressure (PS-4) in pounds per square inch, gauge (psig), ambient temperature (ºF) measured by the water injection system, and actual water and fuel injection rates in pounds per hour (lb/hr). These parameters shall be continuously monitored during turbine operations except during startup and shutdown periods. The facility monitoring systems and individual flow meters shall be accurate to ± 5.0 percent. At the discretion of the TCEQ these records may be used to determine violations of the emission limitation of Special Condition Nos. 1 and 2. **(7/17)**

15. For any gas turbines not stack sampled, the water injection rates and algorithm constants will be determined from the compliance sampling of other turbines. The algorithm constants for unsampled turbines will be set at the mean of the constants from the sampled turbines.

16. The holder of this permit shall maintain a water-to-fuel ratio of 0.44 or greater except for MSS periods as defined in Special Condition No. 2. This ratio will be used to evaluate compliance with emission limitations of Special Condition No. 2 and the MAERT. **(7/17)**

Maintenance, Startup, and Shutdown Compliance (2/12)

17. The emissions from planned MSS activities are reflected in the MAERT. The emissions will be minimized by the following:

    A. Facility and air pollution control equipment will be operated in a manner consistent with good air pollution control, safe operating practices, and protection of the facility.

    B. The duration of operation of the gas turbines (EPNs: GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B) during planned MSS activities will be minimized and applicable monitoring systems will be operated during such activities.

18. Emissions from planned MSS activities authorized by this permit shall be determined by the use of an appropriate method, including but not limited to any of following methods:

    A. Use of the emission factors, facility-specific parameters, manufacturer's emission factors, and/or engineering knowledge of the facility operations.

    B. Use of emissions data measured by a Continuous Emission Monitoring System (CEMS) or during emissions testing] during the same type of planned MSS activity occurring at or on an identical or similar facility, and correlation of those data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

    C. Use of emissions testing data collected during a planned maintenance activity occurring at or on the facility, and correlation of those data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

19. Compliance with the emissions limits for planned maintenance activities identified in this permit shall be demonstrated as follows.

    A. ILEs (Attachment A)

        (1) The total emissions from all ILE planned maintenance activities shall be considered to be no more than the estimated potential to emit for those activities that are represented

in the permit amendment application dated December 21, 2010 and subsequent associated submittals.

(2) The permit holder shall annually confirm the continued validity of the estimated potential to emit as represented in the permit amendment application dated December 21, 2010 and subsequent associated submittals.

B. For each pollutant emitted during non-ILE planned maintenance activities (Attachment B), the permit holder shall do the following for each calendar month:

(1) Determine the total emissions of the pollutant that result from such non-ILE planned maintenance activities in accordance with the methods listed in Special Condition No. 18; and

(2) Compare the pollutant's short-term (hourly) emissions during planned maintenance activities to the applicable short-term emissions limit in the MAERT; and

(3) Once the pollutant's emissions during planned maintenance activities have been measured for 12 months after the MSS permit amendment has been issued, add the rolling 12-month MSS emissions to the rolling 12-month normal operation emissions for the same period, and compare the total rolling 12-month emissions of the pollutant to the applicable annual emissions limit in the MAERT.

Recordkeeping

20. 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 other air pollution control agency having jurisdiction. **(2/12)**

21. The following written records shall be maintained at the plant site by the holder of this permit on a five-year rolling retention basis and shall be made available to designated representatives of the TCEQ, the EPA, or any local air pollution control program having jurisdiction upon request. **(2/12)**

A. Operating records required by Special Condition No. 14 for each gas turbine. **(2/12)**

B. Startup and Shutdown records shall include the following: **(2/12)**

(1) Quantity of fuel used,

(2) Emissions from the event, and

(3) Date, time and duration of the event.

C. Records of visible emissions, opacity observations, any corrective action to demonstrate compliance with this permit. **(7/17)**

D. Records of monitored or calculated planned maintenance activities and emissions to demonstrate compliance with the conditions of this permit. **(7/17)**

Reporting

22. The holder of this permit shall submit to the TCEQ Regional Office annual reports that include hours of operation of the gas turbines, a summary of periods of emissions exceedances, a summary of water injection system downtimes by cause, and a verification that the parameter constants determined during the initial compliance test that are used as inputs to the water injection system algorithm for each turbine have not been changed. If the parameter constants have changed, the permit holder shall include documentation in the reports that justifies the change. **(2/12)**

Additional Authorizations

23. The following facilities are authorized through Permit by Rule under 30 TAC Chapter 106 and are listed here for reference purposes only. **(2/12)**

Source	Authorization
Soldering, Brazing, Welding	106.227
Coating, Painting Operations	106.263
Routine Maintenance, Startup, Shutdown of Facilities, and Temporary Maintenance Facilities	106.263
Dry Abrasive Cleaning	106.263
Hand-held & Manually Operated Machines	106.265
Vehicle Fuel Storage and Dispensing Operations	106.412
Fuel Oil Storage Tanks	106.472
Lube Oil Storage Tanks	106.472
LPG Canisters	106.475
Emergency Diesel Generators	106.511

Date: September 30, 2019

Permit Numbers 17380 and PSDTX717M2

Attachment A

Inherently Low Emitting Sources (EPN: ILEMSS)					
Activities	Emissions				
	NO_x	CO	VOC	PM	SO_2/H_2S
Management of sludge pits, ponds, sumps, and water conveyances[1]			X		
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instrumentation including sight glasses, meters, gauges, CEMS	X	X	X		
Small equipment and fugitive component repair/replacement in VOC service[2]			X		
Part cleaners			X		
Natural gas condensate and igniter oil knockout loading			X		
Gaseous Fuel Venting[3]			X		X

Date: July 5, 2017

[1] Includes, but is not limited to management by vacuum truck/dewatering of material in open pits, ponds, sumps, tanks, and other closed or open vessels. Material managed includes water/sludge materials containing miscellaneous VOCs such as diesel, lube oil, and other waste materials.

[2] Includes, but is not limited to the following: (a) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters, and screens utilized in natural gas, fuel/diesel/lube oil, ammonia, and gasoline service. (b) vehicle/mobile equipment maintenance that may involve small VOC emissions such as oil changes, transmission service, and hydraulic system service.

[3] Includes, but is not limited to venting associated with pipeline pigging and meter proving.

Permit Numbers 17380 and PSDTX717M2

Attachment B

Non-Inherently Low Emitting Sources (Non-ILEs)							
Activity	EPN	Emissions					
		NO_x	CO	VOC	PM	SO_2/H_2S	Exempt Solvent
Combustion Optimization[4]	GT-1 A/B GT-2 A/B GT-3 A/B GT-4 A/B	X	X	X	X	X	
Diagnostic Water Injection System Activities[5]	GT-1 A/B GT-2 A/B GT-3 A/B GT-4 A/B	X	X	X	X	X	
Organic chemical usage	MSSFUG			X			X

Date: July 5, 2017

[4] Includes, but is not limited to the following: (a) leak and operability checks (*e.g.* turbine over-speed test, trouble shooting). (b) balancing. (c) tuning activities that occur during seasonal tuning or after initial construction, a combustor change out, a major repair/maintenance to a combustor, or other similar circumstances.

[5] Includes, but is not limited to the following: trouble shooting inputs, power supply, water injection pumps, sensors, and other component checks.

17380 and PSDTX717M2

Attachment C

This permit authorizes maintenance emissions from the following groups. The headings for each group of facilities are used on the MAERT to identify all facilities in the respective group.

EPN: WTTNKS	
Description	FIN
Water Treatment Chemical - Nalco Eliminox	WTCST1
Water Treatment Chemical - Nalco Eliminox	WTCST2
Water Treatment Chemical - Hydrochloric Acid	WTCST3
Water Treatment Chemical - Hydrochloric Acid	WTCST3B
Water Treatment Chemical - Nalco 5711	WTCST6
Water Treatment Chemical - Nalco 5711	WTCST7
Water Treatment Chemical - Nalco Thurguard 404	WTCST8
Water Treatment Chemical - Nalco Thurguard 404	WTCST9
Water Treatment Chemical - Nalco Thurguard 404	WTCST10

EPN: GT-VENTS	
Description	EPN
Gas Turbine 1 Twin Pack - Lube Oil Reservoirs	GT1AFTLORV
	GT1BFTLORV
	GT1AGELORV
	GT1BGELORV
Gas Turbine 2 Twin Pack - Lube Oil Reservoirs	GT2AFTLORV
	GT2BFTLORV
	GT2AGELORV
	GT2BGELORV
Gas Turbine 3 Twin Pack - Lube Oil Reservoirs	GT3AFTLORV
	GT3BFTLORV
	GT3AGELORV
	GT3BGELORV
Gas Turbine 4 Twin Pack - Lube Oil Reservoirs	GT4AFTLORV
	GT4BFTLORV
	GT4AGELORV
	GT4BGELORV

EPN: OWS-TNKS	
Description	FIN
Main Oil/Water Separator	APISEP
Discharge Ditch Oil/Water Separator	DDOWSEP
Tank Farm Oil/Water Separator - North	TKOWSEPN
Tank Farm Oil/Water Separator - West	TKOWSEPE

Date: February 16, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 17380 and PSDTX717M2

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)
GT-1A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-1B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-2A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-2B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-3A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-3B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-4A	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-4B	Pratt and Whitney FT4C-1 25 MW Gas Turbine (6)	NO_x	64.0	78.0
		NO_x (MSS)	160.0	
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	
		PM	15.0	18.0
		PM_{10}	15.0	18.0
		SO_2	20.0	24.0
GT-VENTS	Gas Turbines (7) Lube Oil Reservoirs	VOC	0.48	2.1
		PM	0.48	2.1
DC-FUELFUG	Fuel System Component Fugitives (5) (natural gas service)	VOC	0.74	3.26
		H_2S	<0.01	<0.01
WTTNKS	Water Treatment Chemical Storage Tanks (5) (Attachment C)	VOC	0.82	0.01
		HCl	0.44	<0.01
		NH_3	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01
OWS-TNKS	Oil-Water Separator Tanks (5) (Attachment C)	VOC	<0.01	<0.01
HEATERS	Salamander Portable Heaters 1.0 MMBtu/hr (combined capacity)	NO_x	0.02	0.08
		CO	<0.01	0.02
		VOC	<0.01	<0.01
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		SO_2	0.01	0.03
ILEMSS	ILE Maintenance Emissions (5) (Attachment A)	NO_x	<0.01	<0.01
		VOC	1.23	0.10
		H_2S	<0.01	<0.01
MSSFUG	non-ILE Maintenance Emissions (5) (Attachment B)	VOC	1.67	2.18
		Exempt Solvent	1.67	0.02

(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 - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrochloric acid
H_2S - hydrogen sulfide

Emission Sources - Maximum Allowable Emission Rates

MSS - maintenance, startup, and shutdown emissions

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(6) Emission of all pollutants are authorized during MSS activities even if emission limits are not specifically identified as applying to MSS activities. During any clock hour that includes one or more minutes of planned MSS each pollutant's maximum hourly emission rate shall apply during to the entire clock hour.

(7) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

Date: July 5, 2017