

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

City of Austin

AUTHORIZING THE OPERATION OF

Decker Creek Power Plant
Electric Services

LOCATED AT

Travis County, Texas

Latitude 30° 18' 14" Longitude 97° 36' 47"

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, emission units and affected source listed in this permit. Operations of the site, emission units and affected source 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, emission units and affected source 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, emission units and affected source.

Permit No: O22 Issuance Date: _____

For the Commission

Table of Contents

Section	Page
General Terms and Conditions	1
Special Terms and Conditions	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting	1
Additional Monitoring Requirements	8
New Source Review Authorization Requirements	9
Compliance Requirements.....	10
Alternative Requirements	11
Permit Location.....	11
Permit Shield (30 TAC § 122.148)	11
Acid Rain Permit Requirements	11
Clean Air Interstate Rule Permit Requirements	16
Attachments	22
Applicable Requirements Summary	23
Additional Monitoring Requirements	39
Permit Shield.....	50
New Source Review Authorization References.....	63
Alternative Requirement.....	73
Appendix A	75
Acronym List	76
Appendix B	77

General Terms and Conditions

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

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

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

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

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

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

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

D. 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)
 - E. 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 requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)

- G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
 8. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart 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
 9. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

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 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, 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).
14. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
- B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
- C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

- 15. 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.
- 16. 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.
- 17. 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)

Alternative Requirements

- 18. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

- 19. 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)

- 20. 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.

Acid Rain Permit Requirements

- 21. For units D1 and D2 (identified in the Certificate of Representation as units 1 and 2), located at the affected source identified by ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

- (i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.
- (ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.
- (iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.
- (iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.
- (v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

- (i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained 40 CFR Part 75.
- (ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO₂ and NO_x under the ARP.
- (iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO₂ emissions requirements

- (i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO₂.
- (ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO₂ for the previous calendar year.
- (iii) Each ton of SO₂ emitted in excess of the acid rain emissions limitations for SO₂ shall constitute a separate violation of the FCAA amendments.
- (iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO₂ emissions requirements as follows:
 - (1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or
 - (2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).
- (v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.
- (vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.
- (vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO₂ in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

- (i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.
- E. Excess emissions requirements for SO₂ and NO_x.
- (i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
 - (ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:
 - (1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.
 - (2) Comply with the terms of an approved offset plan.
- F. Recordkeeping and Reporting Requirements
- (i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents 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 permitting authority or the EPA Administrator.
 - (1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
 - (2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or

operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

- H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:
- (i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.
 - (ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.
 - (iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.
 - (iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
 - (v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.
- I. The number of SO₂ allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Clean Air Interstate Rule Permit Requirements

22. For units D1, D2, 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 1, 2, GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, and GT-4B), located at the affected source identified by ORIS/Facility code 3548, the designated representative and the owner or operator, as applicable, shall comply with the following Clean Air Interstate Rule (CAIR) Permit requirements. Until approval of the Texas CAIR SIP by EPA, the permit holder shall comply with the equivalent requirements of 40 CFR Part 97 in place of the referenced 40 CFR Part 96 requirements in the Texas CAIR permit and 30 TAC Chapter 122 requirements.

- A. General Requirements

- (i) Under 30 TAC § 122.420(b) and 40 CFR §§ 96.120(b) and 96.220(b) the CAIR Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP).
- (ii) The owners and operators of the CAIR NO_x and the CAIR SO₂ source shall operate the source and the unit in compliance with the requirements of this CAIR permit and all other applicable State and federal requirements.
- (iii) The owners and operators of the CAIR NO_x and the CAIR SO₂ source shall comply with the General Terms and Conditions of the FOP that incorporates this CAIR Permit.
- (iv) The term for the initial CAIR permit shall commence with the issuance of the revision containing the CAIR permit and shall be the remaining term for the FOP that incorporates the CAIR permit. Renewal of the initial CAIR permit shall coincide with the renewal of the FOP that incorporates the CAIR permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring and Reporting Requirements

- (i) The owners and operators, and the CAIR designated representative, of the CAIR NO_x source and each CAIR NO_x unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements contained 40 CFR Part 96, Subpart HH.
- (ii) The owners and operators, and the CAIR designated representative, of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements contained 40 CFR Part 96, Subpart HHH.
- (iii) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH and any other credible evidence shall be used to determine compliance by the CAIR NO_x source with the CAIR NO_x emissions limitation.
- (iv) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH and any other credible evidence shall be used to determine compliance by the CAIR SO₂ source with the CAIR SO₂ emissions limitation.

C. NO_x emissions requirements

- (i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account,

CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR § 96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with the requirements of 40 CFR Part 96, Subpart HH.

- (ii) A CAIR NO_x unit shall be subject to the requirements of paragraph C.(i) of this CAIR Permit starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 96.170(b)(1), (2), or (5).
- (iii) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements of this permit, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.
- (iv) CAIR NO_x allowances shall be held in, deducted from or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FF or Subpart GG.
- (v) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 96.105 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.
- (vi) A CAIR NO_x allowance does not constitute a property right.
- (vii) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FF or Subpart GG, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x unit's compliance account is incorporated automatically in this CAIR permit.

D. NO_x excess emissions requirement

- (i) If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR § 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.

- (ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable State law.

E. SO₂ emissions requirements

- (i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, CAIR SO₂ allowances available for compliance deductions for the control period under 40 CFR § 96.254(a) and (b) in an amount not less than the tons of total sulfur dioxides emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with the requirements of 40 CFR Part 96, Subpart HHH.
- (ii) A CAIR SO₂ unit shall be subject to the requirements of paragraph E.(i) of this CAIR Permit starting on the later of January 1, 2010, or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 96.270(b)(1), (2), or (5).
- (iii) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements of this permit, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.
- (iv) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FFF or Subpart GGG.
- (v) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 96.205 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.
- (vi) A CAIR SO₂ allowance does not constitute a property right.
- (vii) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or Subpart GGG, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ unit's compliance account is incorporated automatically in this CAIR permit.

F. SO₂ excess emissions requirements

- (i) If a CAIR SO₂ source emits sulfur dioxides during any control period in excess of the CAIR SO₂ emissions limitation, the owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR § 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.
- (ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable State law.

G. Recordkeeping and Reporting Requirements

- (i) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source and the CAIR SO₂ source and each CAIR SO₂ unit at the source shall keep on site at the source each of the following documents 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 permitting authority or the Administrator.
 - (1) The certificate of representation under 40 CFR §§ 96.113 and 96.213 for the CAIR NO_x designated representative for the source and each CAIR NO_x unit and the CAIR SO₂ designated representative for the source and each CAIR SO₂ 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 documents are superseded because of the submission of a new certificate of representation under 40 CFR §§ 96.113 and 96.213 changing the CAIR designated representative.
 - (2) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH and Subpart HHH, provided that to the extent that these subparts provide for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program and CAIR SO₂ Trading Program or relied upon for compliance determinations.
 - (4) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program and CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the

CAIR NO_x Annual Trading Program and CAIR SO₂ Trading Program.

- (ii) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source and a CAIR SO₂ source and each CAIR SO₂ unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program and the CAIR SO₂ Trading Program including those under 40 CFR Part 96, Subpart HH and Subpart HHH.
- H. The CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program contained in 40 CFR Part 96, Subparts AA through II.
- I. The CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program contained in 40 CFR Part 96, Subparts AAA through III.
- J. Any provision of the CAIR NO_x Annual Trading Program and the CAIR SO₂ Trading Program that applies to a CAIR NO_x source or CAIR SO₂ source or the CAIR designated representative of a CAIR NO_x source or CAIR SO₂ source shall also apply to the owners and operators of such source and the units at the source.
- K. Any provision of the CAIR NO_x Annual Trading Program and the CAIR SO₂ Trading Program that applies to a CAIR NO_x unit or CAIR SO₂ unit or the CAIR designated representative of a CAIR NO_x unit or CAIR SO₂ unit shall also apply to the owners and operators of such unit.
- L. No provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR §§ 96.105 or 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit or a CAIR SO₂ source or CAIR SO₂ 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

Alternative Requirement

Applicable Requirements Summary

Unit Summary 24

Applicable Requirements Summary 28

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
D-1	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-1	Boilers/Steam Generators/Steam Generating Units	N/A	R2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
D-1	Boilers/Steam Generators/Steam Generating Units	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
D-2	Boilers/Steam Generators/Steam Generating Units	N/A	R2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
D-2	Boilers/Steam Generators/Steam Generating Units	N/A	R7131-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
D-2	Boilers/Steam Generators/Steam Generating Units	N/A	60D-1	40 CFR Part 60, Subpart D	No changing attributes.
D-2	Boilers/Steam Generators/Steam Generating Units	N/A	60D-2	40 CFR Part 60, Subpart D	No changing attributes.
D-2	Boilers/Steam Generators/Steam Generating Units	N/A	60D-3	40 CFR Part 60, Subpart D	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DCK-F1	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DCK-F2	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DSLUNLD	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
EM-1	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EM-2	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	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
EM-4	SRIC Engines	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TKLORV	Emission Points/Stationary Vents/Process Vents	D1EHC11CFRV, D1HSU11SORV, D1LOR11V, D1LOR12V, D2EHC21CFRV, D2FDF21LORV, D2FDF22LORV, D2GRF21LORV, D2GRF22LORV, D2HSU21SORV, D2LOR21V, D2LOR22V, 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.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-TSTACK	Emission Points/Stationary Vents/Process Vents	GT-1A, GT-1B, GT- 2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
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)
D-1	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not 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.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
D-1	EU	R2-1	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
D-1	EU	R7131-1	NO _x	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NO _x) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not 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.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	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)
D-2	EU	R2-1	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
D-2	EU	R7131-1	NO _x	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(i) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each gas-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NO _x) do not exceed 0.14 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) § 117.3045(e) § 117.3045(e)(1) § 117.3045(e)(2) § 117.3045(e)(3) [G]§ 117.3045(e)(5) § 117.3045(e)(6) § 117.3045(e)(7)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
D-2	EU	60D-1	SO ₂	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO ₂ emission requirements.	§ 60.45(b)(1) § 60.45(b)(4)	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)
D-2	EU	60D-1	NO _x	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NO _x , expressed as NO ₂ , in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.46(a) § 60.46(b)(3)	§ 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2)	None
D-2	EU	60D-2	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	** See Alternative Requirements § 60.45(b)(1) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	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)
D-2	EU	60D-2	NO _x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
D-2	EU	60D-3	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2) § 60.46(a) § 60.46(b)(3)	§ 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2)	None
D-2	EU	60D-3	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO ₂ in excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	** See Alternative Requirements § 60.45(b)(1) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	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)
D-2	EU	60D-3	NO _x	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NO _x , expressed as NO ₂ , in excess of 129 ng/J heat input (0.3 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
DCK-F1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
DCK-F2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DSLUNLD	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)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division 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
EM-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
EM-2	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EM-3	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)- Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)- Table6.9.a.i § 63.6640(a)- Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
EM-4	EU	60III-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	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)
EM-4	EU	60III-1	NMHC and NO _x	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO _x emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
EM-4	EU	60III-1	PM (Opacity)	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	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)
EM-4	EU	60III-1	PM	40 CFR Part 60, Subpart III	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
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

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)
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 with a combined weight of the VOC or classes of compounds specified in § 115.121(c)(1)(B)-(C) of 100 lbs (45.4 kg), or less, in a continuous 24-hour period is exempt from § 115.121(c)(1).	[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 Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not 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.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
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)

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)
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)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division 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.....40

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-1	
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	
<p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO ₂	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Maximum sulfur concentration = 440 ppmv	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
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	
<p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2-1
Pollutant: SO ₂	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Maximum sulfur concentration = 440 ppmv	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: SO ₂	Main Standard: § 60.43(a)(1)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Maximum SO ₂ emissions = 340 ng/J (0.80 lb/MMBtu) heat input	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: SO ₂	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Maximum SO ₂ emissions not to exceed value as calculated in §60.43(b)	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO _x	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NO _x emissions = 86 ng/J (0.20 lb/MMBtu)	
<p>Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: NO _x	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NO _x emissions = 129 ng/J (0.30 lb/MMBtu) heat input	
<p>Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: D-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: NO _x	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum NO _x emissions not to exceed value calculated in §60.44(b)	
<p>Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.</p>	

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	
<p>Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

Permit Shield

Permit Shield51

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
D-1	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-1	N/A	40 CFR Part 60, Subpart D	Construction commenced prior to August 17, 1971.
D-1	N/A	40 CFR Part 60, Subpart Da	The unit commenced construction before September 18, 1978
D-1	N/A	40 CFR Part 60, Subpart Db	The unit commenced construction before June 19, 1984
D-1	N/A	40 CFR Part 60, Subpart Dc	The unit commenced construction before June 9, 1989
D-2	N/A	30 TAC Chapter 115, Vent Gas Controls	The exhaust streams are from combustion units not being used as VOC control devices
D-2	N/A	40 CFR Part 60, Subpart Da	The unit commenced construction before September 18, 1978
D-2	N/A	40 CFR Part 60, Subpart Db	The unit commenced construction before June 19, 1984
D-2	N/A	40 CFR Part 60, Subpart Dc	The unit commenced construction before June 9, 1989

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
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-F1	N/A	40 CFR Part 60, Subpart IIII	Unit was constructed before July 11, 2005
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
DCK-F2	N/A	40 CFR Part 60, Subpart IIII	Unit was constructed before July 11, 2005
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

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
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	Unit was constructed before July 11, 2005
EM-2	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-2	N/A	30 TAC Chapter 117, Subchapter E, Division 1	Unit is not power boiler or gas turbine
EM-2	N/A	40 CFR Part 60, Subpart IIII	Unit was constructed before July 11, 2005
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 1	Unit is not power boiler or gas turbine
EM-3	N/A	40 CFR Part 60, Subpart IIII	Unit was constructed before July 11, 2005
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

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-OWSEP	APISEP, DDOWSEP, TKOWSEPE, TKOWSEPN	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m ³ (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	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, 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	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart K	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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Ka	The storage capacity is less than 40,000 gallons
GRP-TKFO	D1LST11, D1LST12, D1LST13, D2IODT21, D2LST21, D2LST22, D2LST23, DD65DST1, DD65DST2, DOFPDST1, DOFPDST2, FLTDSLST, FLTGASST, WOTNK	40 CFR Part 60, Subpart Kb	The storage capacity is less than 75 m3 (19,800 gal)
GRP-TKFO1	FST11, FST12	30 TAC Chapter 115, Storage of VOCs	VOC true vapor pressure is less than 1.5 psia
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart K	Fuel oil stored does not meet the definition of petroleum liquid
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Ka	Construction commenced prior to applicable date of May 18, 1978
GRP-TKFO1	FST11, FST12	40 CFR Part 60, Subpart Kb	Construction commenced prior to applicable date of July 23, 1984

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, 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

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, 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

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, 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 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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TKLOR	D1EHC11CFR, D1HSU11SOR, D1LOR11, D1LOR12, D2EHC21CFR, D2FDF21LOR, D2FDF22LOR, D2GRF21LOR, D2GRF22LOR, D2HSU21SOR, D2LOR21, D2LOR22, 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

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-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 commenced prior to October 3, 1977.
GRP-TURB	GT-1A, GT-1B, GT-2A, GT-2B, GT-3A, GT-3B, GT-4A, GT-4B	40 CFR Part 60, Subpart KKKK	Units were constructed before February 18, 2005

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
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 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 in ² 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 in ² that disposes waste solvent in an enclosed container

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
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 64

New Source Review Authorization References by Emission Unit..... 65

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: 10/31/2012
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17380	Issuance Date: 10/31/2012
Authorization No.: 2629	Issuance Date: 12/05/2011
Authorization No.: 45532	Issuance Date: 06/20/2012
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
D-1	Boiler Stack 1	45532
D-1	Boiler Unit 1	45532
D1EHC11CFR	Unit 1 Electro-Hydraulic Control Fluid Reservoir #11	45532
D1EHC11CFRV	Unit 1 Electro-Hydraulic Control Fluid Reservoir #11 - Vent	45532
D1HSU11SOR	Unit 1 Seal Oil Reservoir	45532
D1HSU11SORV	Unit 1 Seal Oil Reservoir - Vent to ATM	45532
D1LOR11	Unit 1 Main Turbine Lube Oil Reservoir #11	45532
D1LOR11V	Unit 1 Main Turbine Lube Oil Reservoir #11 - Vent	45532
D1LOR12	Unit 1 Main Boiler Feedwater Pump Lube Oil Reservoir #12	45532
D1LOR12V	Unit 1 Main Boiler Feedwater Pump Lube Oil Reservoir #12 - Vent	45532
D1LST11	Unit 1 Lube Oil Storage Tank 1	106.472/09/04/2000
D1LST12	Unit 1 Lube Oil Storage Tank 2	106.472/09/04/2000
D1LST13	Unit 1 Lube Oil Storage Tank 3	106.472/09/04/2000
D-2	Boiler Stack 2	2629, 45532
D-2	Boiler Unit 2	2629, 45532
D2EHC21CFR	Unit 2 Electro-Hydraulic Control Fluid Reservoir #21	2629
D2EHC21CFRV	Unit 2 Electro-Hydraulic Control Fluid Reservoir #21 - Vent to ATM	2629

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
D2FDF21LOR	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir	2629
D2FDF21LORV	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir - Vent to ATM	2629
D2FDF22LOR	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir	2629
D2FDF22LORV	Unit Forced Draft Fan and Recirculation Fan Lub Oil Reservoir - Vent to ATM	2629
D2GRF21LOR	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir	2629
D2GRF21LORV	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir - Vent to ATM	2629
D2GRF22LOR	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir	2629
D2GRF22LORV	Unit 2 Forced Draft Fan and Recirculation Fan Lube Oil Reservoir - Vent to ATM	2629
D2HSU21SOR	Unit 2 Seal Oil Reservoir	2629
D2HSU21SORV	Unit 2 Seal Oil Reservoir - Vent to ATM	2629
D2IODT21	Unit 2 Igniter Oil Drop Out Tank	106.472/09/04/2000
D2LOR21	Unit 2 Main Turbine Lube Oil Reservoir #21	2629
D2LOR21V	Unit 2 Main Turbine Oil Reservoir #21 - Vent to ATM	2629
D2LOR22	Unit 2 Main Boiler Feed Pump Lube Oil Reservoir #22	2629
D2LOR22V	Unit 2 Main Boiler Feedwater Pump Lube Oil Reservoir #22	2629

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
D2LST21	Unit 2 Lube Oil Storage Tank 1	106.472/09/04/2000
D2LST22	Unit 2 Lube Oil Storage Tank 2	106.472/09/04/2000
D2LST23	Unit 2 Lube Oil Storage Tank 3	106.472/09/04/2000
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 - 2000 gal	106.472/09/04/2000
DD65DST2	Emergency Generator Diesel Fuel Storage Tank - 2000 gal	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 - 500 gal	106.472/09/04/2000
DOFPDST2	Above Ground Fire Pump Diesel Storage Tank 2 - 500 gal	106.472/09/04/2000
DSLUNLD	Fuel Oil Unloading to Storage Tanks	106.472/09/04/2000
EM-1	Diesel Fired Emergency Generator Engine, 952 hp	106.511/09/04/2000
EM-2	Diesel Fired Emergency Generator Engine, 315 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

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
FST11	Fuel Oil Storage Tank	106.472/09/04/2000
FST12	Igniter Fuel Oil	106.472/09/04/2000
GT1AFTLOR	Gas Turbine Twin Pack 1A Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT1AFTLORV	Gas Turbine Twin Pack 1 Free Turbine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT-1A	Gas Turbine Unit 1A	17380, PSDTX717M2
GT-1A	Gas Turbine Unit 1A Stack	17380, PSDTX717M2
GT1AGELOR	Gas Turbine Twin Pack 1A Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT1AGELORV	Gas Turbine Twin Pack 1 Gas Engine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT1BFTLOR	Gas Turbine Twin Pack 1B Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT1BFTLORV	Gas Turbine Twin Pack 1 Free Turbine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT-1B	Gas Turbine Unit 1B	17380, PSDTX717M2
GT-1B	Gas Turbine Unit 1B Stack	17380, PSDTX717M2
GT1BGELOR	Gas Turbine Twin Pack 1B Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT1BGELORV	Gas Turbine Twin Pack 1 Gas Engine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT1GENLOR	Gas Turbine Twin Pack 1 Generator Lube Oil Reservoir	17380, PSDTX717M2
GT2AFTLOR	Gas Turbine Twin Pack 2A Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT2AFTLORV	Gas Turbine Twin Pack 2 Free Turbine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT-2A	Gas Turbine Unit 2A	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-2A	Gas Turbine Unit 2A Stack	17380, PSDTX717M2
GT2AGELOR	Gas Turbine Twin Pack 2A Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT2AGELORV	Gas Turbine Twin Pack 2 Gas Engine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT2BFTLOR	Gas Turbine Twin Pack 2B Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT2BFTLORV	Gas Turbine Twin Pack 2 Free Turbine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT-2B	Gas Turbine Unit 2B	17380, PSDTX717M2
GT-2B	Gas Turbine Unit 2B Stack	17380, PSDTX717M2
GT2BGELOR	Gas Turbine Twin Pack 2B Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT2BGELORV	Gas Turbine Twin Pack 2 Gas Engine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT2GENLOR	Gas Turbine Twin Pack 2 Generator Lube Oil Reservoir	17380, PSDTX717M2
GT3AFTLOR	Gas Turbine Twin Pack 3 Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT3AFTLORV	Gas Turbine Twin Pack 3 Free Turbine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT-3A	Gas Turbine Unit 3A	17380, PSDTX717M2
GT-3A	Gas Turbine Unit 3A Stack	17380, PSDTX717M2
GT3AGELOR	Gas Turbine Twin Pack 3 Gas Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT3AGELORV	Gas Turbine Twin Pack 3 Gas Engine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT3BFTLOR	Gas Turbine Twin Pack 3 Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT3BFTLORV	Gas Turbine Twin Pack 3 Free Turbine Lube Oil Reservoir B Vent	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-3B	Gas Turbine Unit 3B	17380, PSDTX717M2
GT-3B	Gas Turbine Unit 3B Stack	17380, PSDTX717M2
GT3BGELOR	Gas Turbine Twin Pack 3 Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT3BGELORV	Gas Turbine Twin Pack 3 Gas Engine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT3GENLOR	Gas Turbine Twin Pack 3 Generator Lube Oil Reservoir	17380, PSDTX717M2
GT4AFTLOR	Gas Turbine Twin Pack 4 Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT4AFTLORV	Gas Turbine Twin Pack 4 Free Turbine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT-4A	Gas Turbine Unit 4A	17380, PSDTX717M2
GT-4A	Gas Turbine Unit 4A Stack	17380, PSDTX717M2
GT4AGELOR	Gas Turbine Twin Pack 4 Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT4AGELORV	Gas Turbine Twin Pack 4 Gas Engine Lube Oil Reservoir A Vent	17380, PSDTX717M2
GT4BFTLOR	Gas Turbine Twin Pack 4 Free Turbine Lube Oil Reservoir	17380, PSDTX717M2
GT4BFTLORV	Gas Turbine Twin Pack 4 Free Turbine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT-4B	Gas Turbine Unit 4B	17380, PSDTX717M2
GT-4B	Gas Turbine Unit 4B Stack	17380, PSDTX717M2
GT4BGELOR	Gas Turbine Twin Pack 4 Gas Engine Lube Oil Reservoir	17380, PSDTX717M2
GT4BGELORV	Gas Turbine Twin Pack 4 Gas Engine Lube Oil Reservoir B Vent	17380, PSDTX717M2
GT4GENLOR	Gas Turbine Twin Pack 4 Generator Lube Oil Reservoir	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
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
WTCST10	Water Treatment Chemical Storage - Nalco THR404 (Phosporic Acid/Hydroxyethylidene - diphosphonic acid mixture) - 250 gal tote	17380, PSDTX717M2
WTCST1	Water Treatment Chemical Storage - Nalco Eliminox (Oxygen Scavenger) - 200 gal tote	17380, PSDTX717M2
WTCST2	Water Treatment Chemical Storage - Nalco Eliminox (Oxygen Scavenger) - 200 gal tote	17380, PSDTX717M2
WTCST3B	Water Treatment Chemical Storage - Concentrated HCl 300 Gal	17380, PSDTX717M2
WTCST3	Water Treatment Chemical Storage - Concentrated HCl 450 Gal	17380, PSDTX717M2
WTCST6	Water Treatment Chemical Storage - Nalco 5711 (Ammonia/Monoethanolamine mixture) - 200 gal tote	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
WTCST7	Water Treatment Chemical Storage - Nalco 5711 (Ammonia/Monoethanolamine mixture) - 200 gal tote	17380, PSDTX717M2
WTCST8	Water Treatment Chemical Storage - Nalco THR404 (Phosporic Acid/Hydroxyethylidene - diphosphonic acid mixture) - 250 gal tote	17380, PSDTX717M2
WTCST9	Water Treatment Chemical Storage - Nalco THR404 (Phosporic Acid/Hydroxyethylidene - diphosphonic acid mixture) - 250 gal tote	17380, PSDTX717M2

Alternative Requirement

Alternative Requirement 74



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUN 25 1996

Mr. Bob Breeze
City of Austin Electric Department
Environmental Division
Town Lake Center
721 Barton Springs Road
Austin, TX 78704

Dear Mr. Breeze:

This letter is in response to your April 30, 1996 request to the Texas Natural Resource Conservation Commission (TNRCC) for approval of an alternate SO₂ monitoring method under Subpart D of the New Source Performance Standard (NSPS) at City of Austin's Decker Creek Unit 2. On June 6, 1996, the TNRCC forwarded your request to the Environmental Protection Agency (EPA) Region 6 for our review and response. The EPA has reviewed your request, and we are providing this response.

We approve your use of 40 CFR Part 75, Appendix D oil sampling and analysis procedures to monitor SO₂ emissions while burning oil at Decker Creek Unit 2. Your use of these procedures satisfies the monitoring provisions in 40 CFR 60.45(b)(2).

If you have any questions regarding this response to your June 6, 1996 request to the TNRCC, please contact Daniel Meyer of my staff at (214) 665-7233.

Sincerely,

A handwritten signature in black ink that reads "John R. Hepola".

John R. Hepola
Chief

Air/Toxics and Inspection
Coordination Branch

cc: Jeanne Philquist (TNRCC)
John Survis (TNRCC)

Appendix A

Acronym List 76

Acronym List

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

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

Appendix B

Major NSR Summary Table..... 78

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
GT-1A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NOx	64.0	78.0	4, 11,12,17	4, 8,9,11,12,17,18,19, 20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-1B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NOx	64.0	78.0	4,11,12,17	4, 8,9,11,12,17,18,19, 20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-2A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NOx	64.0	78.0	4,11,12,17	4, 8,9,11,12,17,18,19, 20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-2B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NOx	64.0	78.0	4,11,12,17	4,8,9,11,12,17,18,19,20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-3A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NOx	64.0	78.0	4,11,12,17	4,8,9,11,12,17,18,19,20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-3B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NOx	64.0	78.0	4,11,12,17	4,8,9,11,12,17,18,19,20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-4A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0	4,11,12,17	4, 8,9,11,12,17,18,19, 20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-4B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0	4,11,12,17	4, 8,9,11,12,17,18,19, 20,21	11,21
		CO	235.0	286.0	11,17	9,11,17,18,19,20	11,21
		VOC	34.0	41.0	11,17	9,11,17,18,19,20	11,21
		VOC (MSS)	51.0	-	11,17	9,11,17,18,19,20	11,21
		PM/PM10	15.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO2	20.0	24.0	2,11,17	2,9,11,17,18,19,20	11,21
Case II - 690 Hours Firing No. 1 Fuel Oil							
GT-1A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	4, 8,9,11,12,17,18,19, 20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-1B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-2A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-2B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-3A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Turbine	PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-3B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-4A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-4B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0	4,11,12,17	8,9,11,12,17,18,19,20,21	11,21
		CO	233.0	94.0	11,17	9,11,17,18,19,20	11,21
		VOC	5.0	2.0	11,17	9,11,17,18,19,20	11,21
		PM/PM ₁₀	45.0	18.0	6,11,17	6,9,11,17,18,19,20	11,21
		SO ₂	50.0	20.0	2,11,17	2,9,11,17,18,19,20	11,21
GT-VENTS (8)	Gas Turbines Lube Oil Reservoirs	VOC	0.48	2.1	17	17,19	
		PM	0.48	2.1	7	7,19,20	7

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
DC-FUELFUG (5)	Fuel System Component Fugitives (natural gas service)	VOC	0.74	3.26		19	
		H ₂ S	<0.01	<0.01		19	
WTTNKS (5)	Water Treatment Chemical Storage Tanks (Attachment C)	VOC	0.82	0.01	17	17,19	
		HCl	0.44	<0.01		17,19	
		NH ₃	0.01	0.01		17,19	
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01	17	17,19	
OWS-TNKS (5)	Oil-Water Separator Tanks (Attachment C)	VOC	<0.01	<0.01	17	17,19	
HEATERS	Salamander Portable Heaters 1.6 MMBtu/hr (combined capacity)	NO _x	0.04	0.16		19	
		CO	<0.01	0.03		19	
		VOC	<0.01	<0.01		19	
		PM	<0.01	<0.01		19	
		PM ₁₀	<0.01	0.01		19	
		PM _{2.5}	<0.01	<0.01		19	
		SO ₂	0.01	0.05		2,19	
ILEMSS (5)	ILE Maintenance Emissions (Attachment	NO _x	0.47	0.06	17	17,18,19	-
		CO	0.12	0.01	17	17,18,19	-
		VOC	1.25	0.10	17	17,18,19	-
		PM	0.05	0.01	17	17,18,19	-

Major NSR Summary Table

Permit Number: 17380/PSDTX717M2			Issuance Date: 10/31/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
	A)	PM ₁₀	0.05	0.01	17	17,18,19	-
		PM _{2.5}	0.05	0.01	17	17,18,19	-
		SO ₂	0.17	0.02	17	17,18,19	-
		H ₂ S	<0.01	<0.01	17	17,18,19	-
MSSFUG (5)	non-ILE Maintenance Emissions (Attachment B)	VOC	1.67	2.18	17	17,18,19	-
		Exempt Solvent	1.67	0.02	17	17,18,19	-

- (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
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - 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
 - H₂S - 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) The pounds per hour and tons per year emission rate limits for these units apply to normal operation of the units as well as MSS operations.
- (7) The emission limits for combusting natural gas and fuel oil during an averaging period are calculated as the average of the limits for each fuel proportionally weighted by each fuel's heat input to the unit during the period.
- (8) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

Bryan W. Shaw, Ph.D., *Chairman*
Carlos Rubinstein, *Commissioner*
Toby Baker, *Commissioner*
Zak Covar, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

October 31, 2012

MS KATHLEEN GARRETT
DIRECTOR ENVIRONMENTAL SERVICES
CITY OF AUSTIN
721 BARTON SPRINGS RD
AUSTIN TX 78704-1145

Re: Permit Renewal
Permit Number: 17380
Decker Creek Power Plant
Austin, Travis County
Regulated Entity Number: RN100219872
Customer Reference Number: CN600135198
Account Number: TH-0004-D
Associated Permit Number: PSDTX717M2

Dear Ms. Garrett:

This is in response to your application Form PI-1R (General Application for Air Permit Renewals) concerning the proposed renewal of Permit Number 17380. Also, this will acknowledge that your application for the above-referenced renewal is technically complete as of October 23, 2012.

As indicated in Title 30 Texas Administrative Code § 116.314(a) [30 TAC § 116.314(a)], and based on our review, Permit Number 17380 is hereby renewed. Since you certified there were no changes to your existing permit, it is renewed as written and will be in effect for ten years from the date of approval (Commission's final decision). Please attach this letter to your permit. We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met.

Also, you are reminded that acceptance of this permit constitutes acknowledgment and agreement that you will comply with all rules, regulations, and orders of the commission issued in conformity with the Texas Clean Air Act and the conditions precedent to the granting of the permit. If more than one state rule, 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.

Planned maintenance, startup, and shutdown emissions have been previously reviewed, authorized, and included in the MAERT. Any other maintenance activities are not authorized by this permit and will need to obtain a separate authorization.

Ms. Kathleen Garrett
Page 2
October 31, 2012

Re: Permit Number: 17380

You may file a **motion to overturn** with the Chief Clerk. A motion to overturn is a request for the commission to review the executive director's decision. Any motion must explain why the commission should review the executive director's decision. According to 30 TAC § 50.139, an action by the executive director is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter. An original and 11 copies of a motion must be filed with the Chief Clerk in person, or by mail to the Chief Clerk's address on the attached mailing list. On the same day the motion is transmitted to the Chief Clerk, please provide copies to the applicant, the executive director's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the executive director's approval. According to Texas Health and Safety Code § 382.032, a person affected by the executive director's approval must file a petition appealing the executive director's approval in Travis County district court within 30 days after the **effective date of the approval**. Even if you request judicial review, you still must exhaust your administrative remedies, which includes filing a motion to overturn in accordance with the previous paragraphs.

Thank you for your cooperation in sending us the information necessary to evaluate your operations and for your commitment to air pollution control. If you need further information or have any questions, please contact Mr. Tzvi Shalem at (512) 239-1310 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Ms. Kathleen Garrett
Page 3
October 31, 2012

Re: Permit Number: 17380

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink that reads "Michael Wilson". The signature is written in a cursive style with a small mark above the 'i' in "Wilson".

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/ts

cc: Sustainability Officer, Office of Sustainability, City of Austin, Austin
Toxicologist - Office of Director, Public Health Response Epidemiology and Surveillance,
Austin-Travis County Health and Human Services Department, Austin
Air Section Manager, Region 11 - Austin

Project Number: 180066

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)," maintenance activities listed in Attachment A, Attachment B, and Attachment C. Annual rates are based on a rolling 12-month period. **(2/12)**

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, Fuel Specifications, and Work Practices

2. Fuel fired in gas turbines under this permit is limited to pipeline-quality sweet natural gas containing no more than 0.25 of grain hydrogen sulfide and 10.0 grains of total sulfur per 100 dry standard cubic feet (dscf) or No. 1 fuel oil (jet kerosene) containing no more than 0.1 percent sulfur by weight. Use of any other fuel will require a modification to this permit. A maximum of four turbines shall operate simultaneously on No. 1 fuel oil.

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)**

3. Concentration in part per million volume dry (ppmvd) corrected to 15 percent oxygen (O₂) (ppmvd at 15 percent O₂) of nitrogen oxides (NO_x) in stack gases from the gas turbines shall not exceed 45 ppmvd when firing natural gas or 90 ppmvd when firing No. 1 fuel oil, except during periods of maintenance, startup, and shutdown (MSS). **(2/12)**
4. For each gas turbine, variable water injection rates necessary to comply with NO_x concentration limits in Special Conditions No. 3 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. 11. These injection rates shall be maintained during all periods of turbine operation except during startup or shutdown as defined in Special Condition No. 16. These required water injection rates shall be used to determine continuous compliance with Special Condition Nos. 1 and 3. **(2/12)**
5. 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. Previously permitted under Standard Permit Number 52611, the fogger system may be operated when burning liquid fuel (jet kerosene) during periods when the availability of natural gas is limited.

Special Conditions

Permit Numbers: 17380 and PSDTX717M2

Page 2

6. 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). **(2/12)**
7. 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). 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 Special Condition Nos. 7A to 7C, 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 Special Condition No. 7 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 No. 7 has occurred.
 - F. If a deviation has occurred, take corrective action within 48 hours.

Special Conditions

Permit Numbers: 17380 and PSDTX717M2

Page 3

8. 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)**
9. No waste oil shall be fired in any turbine units. 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.
10. Operation of any gas turbine in excess of 2,430 hours firing pipeline-quality sweet natural gas and 690 hours firing No. 1 fuel oil will require authorization from the Executive Director of the TCEQ. **(2/12)**

Initial Determination of Compliance

11. 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 (SO₂). Compliance with the maximum allowable emission rates shall be based on 100 percent conversion of the sulfur in the fuel to SO₂. 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.

Special Conditions

Permit Numbers: 17380 and PSDTX717M2

Page 4

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. 11B 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 SO₂ while firing natural gas and while firing No. 1 fuel oil. 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.
- 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 and in March 1992 for burning No. 1 fuel oil.

Continuous Determination of Compliance

- 12. For each gas turbine, the holder of this permit shall install, calibrate, operate, and maintain continuous monitoring systems to monitor and record values of the parameters necessary to demonstrate compliance with NO_x emission limits specified in Special Condition No. 3, based upon the custom water injection algorithm specified in Special Condition No. 4. The

Special Conditions

Permit Numbers: 17380 and PSDTX717M2

Page 5

parameters measured shall include: combustor inlet pressure (PS-4) in pounds per square inch, gauge (psig), ambient temperature (°F) 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 3. **(2/12)**

13. 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.
14. The holder of this permit shall maintain a water-to-fuel ratio of 0.44 or greater except for startup/shutdown periods as defined in Special Condition No. 16. This ratio will be used to evaluate compliance with emission limitations of Special Condition Nos. 1 and 3. **(2/12)**

Maintenance, Startup, and Shutdown (2/12)

15. 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.
16. Startup/Shutdown
 - 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, not to exceed 120 minutes.
 - 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 for each turbine or pair of turbines that power a common generator shaft.

MSS Compliance (2/12)

17. 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.

18. 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. 17; 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

Special Conditions

Permit Numbers: 17380 and PSDTX717M2

Page 7

- (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

19. 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)**
20. 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. 12 for each gas turbine. **(2/12)**
 - B. Hours of firing using No. 1 fuel oil.
 - C. Startup and Shutdown records shall include the following: **(2/12)**
 - (1) Type and quantity of fuel used,
 - (2) Emissions from the event, and
 - (3) Date, time and duration of the event.
 - D. Monthly maintenance records pursuant to Special Condition No. 18B shall include the following: **(2/12)**
 - (1) Type of activity,
 - (2) Emissions from the activity, and
 - (3) Date, time, and duration of the activity.
 - E. Records of opacity observations pursuant to Special Condition No. 6. **(2/12)**

- F. Records of visible emission and opacity observations pursuant to Special Condition No. 7. **(2/12)**
- G. Records to demonstrate compliance with Special Condition No. 18A(2). **(2/12)**

Reporting

- 21. The holder of this permit shall submit to the TCEQ Regional Office annual reports that include hours of operation of the gas turbines, hours when the turbines fired No. 1 fuel oil, 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

- 22. 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

- 23. With the exceptions of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective unit 180 days after issuance of this permit amendment dated February 16, 2012. **(2/12)**

Date: February 16, 2012

Permit Numbers 17380 and PSDTX717M2

Attachment A

Inherently Low Emitting Sources (EPN: ILEMSS)					
Activities	Emissions				
	NO _x	CO	VOC	PM	SO ₂ /H ₂ S
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
Donkey Boilers	X	X	X	X	X

Date: February 16, 2012

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 no limited to the following: (a) repair/replacement/ of pumps, compressors, valves, pipes, flanges, transport lines, filters, and screen 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					Exempt Solvent
		NO _x	CO	VOC	PM	SO ₂ /H ₂ S	
Combustion Optimization ⁴	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: February 16, 2012

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.

Permit Numbers 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: WTNKS	
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)
Case 1 - 2,430 Hours Firing Natural Gas				
GT-1A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0
		SO ₂	20.0	24.0
GT-1B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0
		SO ₂	20.0	24.0
GT-2A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/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-2B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
GT-2B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0
		SO ₂	20.0	24.0
GT-3A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0
		SO ₂	20.0	24.0
GT-3B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0
		SO ₂	20.0	24.0
GT-4A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		SO ₂	20.0	24.0
GT-4B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	64.0	78.0
		CO	235.0	286.0
		VOC	34.0	41.0
		VOC (MSS)	51.0	-
		PM/PM ₁₀	15.0	18.0
		SO ₂	20.0	24.0
Case II - 690 Hours Firing No. 1 Fuel Oil				
GT-1A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-1B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-2A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-2B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-3A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-3B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-4A (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0
		PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-4B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	NO _x	155.0	52.0
		CO	233.0	94.0
		VOC	5.0	2.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-4B (6,7)	Pratt and Whitney FT4C-1 25 MW Gas Turbine	PM/PM ₁₀	45.0	18.0
		SO ₂	50.0	20.0
GT-VENTS (8)	Gas Turbines Lube Oil Reservoirs	VOC	0.48	2.1
		PM	0.48	2.1
DC-FUELFUG (5)	Fuel System Component Fugitives (natural gas service)	VOC	0.74	3.26
		H ₂ S	<0.01	<0.01
WTTNKS (5)	Water Treatment Chemical Storage Tanks (Attachment C)	VOC	0.82	0.01
		HCl	0.44	<0.01
		NH ₃	0.01	0.01
WOTNK	Use Oil Tank/Truck Loading	VOC	0.16	<0.01
OWS-TNKS (5)	Oil-Water Separator Tanks (Attachment C)	VOC	<0.01	<0.01
HEATERS	Salamander Portable Heaters 1.6 MMBtu/hr (combined capacity)	NO _x	0.04	0.16
		CO	<0.01	0.03
		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	0.05
ILEMSS (5)	ILE Maintenance Emissions (Attachment A)	NO _x	0.47	0.06
		CO	0.12	0.01
		VOC	1.25	0.10
		PM	0.05	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)
		PM ₁₀	0.05	0.01
ILEMSS (5)	ILE Maintenance Emissions (Attachment A)	PM _{2.5}	0.05	0.01
		SO ₂	0.17	0.02
		H ₂ S	<0.01	<0.01
MSSFUG (5)	non-ILE Maintenance Emissions (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
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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
- H₂S - 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) The pounds per hour and tons per year emission rate limits for these units apply to normal operation of the units as well as MSS operations.
- (7) The emission limits for combusting natural gas and fuel oil during an averaging period are calculated as the average of the limits for each fuel proportionally weighted by each fuel's heat input to the unit during the period.
- (8) This grouping includes the following vents: GT1AFTLORV, GT1AGELORV, GT1BFTLORV, GT1BGELORV, GT2AFTLORV, GT2AGELORV, GT2BFTLORV, GT2BGELORV, GT3AFTLORV, GT3AGELORV, GT3BFTLORV, GT3BGELORV, GT4AFTLORV, GT4AGELORV, GT4BFTLORV, and GT4BGELORV.

Date: February 16, 2012