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General Terms and Conditions

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

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

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

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

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

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

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

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
 - F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.372 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
 - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)
 - (v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
 - (vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)

- C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
 - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as

plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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 a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(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 building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities 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 air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet 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)(7) and (a)(7)(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)(7)(B) 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 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) 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.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

- (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the 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)
- 5. 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.
- 6. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):
 - A. Title 40 CFR § 63.11111(e), for records of monthly throughput
 - B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput
 - C. Title 40 CFR § 63.11113(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

7. 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

8. 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

9. 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

10. 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.
11. 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, material safety data sheets (MSDS), 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.
 - A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
 - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. 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.
13. 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

Protection of Stratospheric Ozone

14. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

15. 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)

16. 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

17. For units CTG-1, CTG-2, CTG-3, and CTG-4 (identified in the Certificate of Representation as units GT1, GT2, GT3, and GT4), located at the affected source identified by ORIS/Facility code 55215, 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

18. For units CTG-1, CTG-2, CTG-3, and CTG-4 (identified in the Certificate of Representation as units GT1, GT2, GT3, and GT4), located at the site identified by ORIS/Facility code 55215, 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

Applicable Requirements Summary

Unit Summary 25

Applicable Requirements Summary 26

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
EMERGEN	SRIC Engines	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMERGEN2	SRIC Engines	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC Engines	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-CTG	Boilers/Steam Generators/Steam Generating Units	CTG-1, CTG-2, CTG-3, CTG-4	60DA-CTG	40 CFR Part 60, Subpart Da	No changing attributes.
GRP-CTG	Emission Points/Stationary Vents/Process Vents	CTG-1, CTG-2, CTG-3, CTG-4	R1151	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
GRP-CTG	Emission Points/Stationary Vents/Process Vents	CTG-1, CTG-2, CTG-3, CTG-4	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-CTG	Stationary Turbines	CTG-1, CTG-2, CTG-3, CTG-4	60GG-CTG	40 CFR Part 60, Subpart GG	No changing attributes.
GRPCTOW	Emission Points/Stationary Vents/Process Vents	COOLTOWER1, COOLTOWER2	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMERGEN	EU	63ZZZZ	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(a)- Table6.9.a.i § 63.6640(a)- Table6.9.a.ii § 63.6640(b) § 63.6640(f) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 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)
EMERGEN2	EU	63ZZZZ	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)
FIREPUMP	EU	63ZZZZ	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(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b) § 63.6640(f) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 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)
GRP-CTG	EU	60DA-CTG	NO _x	40 CFR Part 60, Subpart Da	§ 60.44Da(d)(1) § 60.48Da(a) § 60.48Da(c)	No owner or operator shall discharge any gases that contain NO _x (expressed as NO ₂) in excess of 200 ng/J (1.6 lb/MWh) gross energy output, based on a 30-day rolling average basis.	§ 60.48Da(c) § 60.48Da(k) [G]§ 60.48Da(k)(1) [G]§ 60.48Da(k)(3) § 60.50Da(a) § 60.50Da(d)(1) § 60.50Da(f) ** See Periodic Monitoring Summary	None	§ 60.48Da(c) [G]§ 60.48Da(s) § 60.51Da(a)
GRP-CTG	EU	60DA-CTG	SO ₂	40 CFR Part 60, Subpart Da	§ 60.43Da(b)(2) § 60.43Da(g) § 60.48Da(a) § 60.48Da(c)	No owner or operator shall discharge any gases that contain sulfur dioxide in excess of 100 percent of the potential combustion concentration (zero percent reduction) when emissions are less than 86 ng/J (0.20 lb/MMBtu) heat input.	§ 60.48Da(c) § 60.50Da(a) § 60.50Da(c)(4) § 60.50Da(f) ** See Periodic Monitoring Summary	None	§ 60.48Da(c) [G]§ 60.48Da(s) § 60.51Da(a)

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-CTG	EP	R1151	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See Periodic Monitoring Summary	None	None
GRP-CTG	EP	R1111	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-CTG	EU	60GG-CTG	SO ₂	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
GRP-CTG	EU	60GG-CTG	NO _x	40 CFR Part 60, Subpart GG	§ 60.332(a)(1) § 60.332(a)(3)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.334(b) § 60.334(c) § 60.334(j) § 60.334(j)(1) [G]§ 60.334(j)(1)(iii) [G]§ 60.335(a) § 60.335(b)(2) § 60.335(b)(3) § 60.335(b)(6) ** See Periodic Monitoring Summary	[G]§ 60.334(b)	§ 60.334(j) § 60.334(j)(5)

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)
GRPCTOW	EP	R1111	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

Additional Monitoring Requirements

Periodic Monitoring Summary.....31

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CTG	
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
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: Fuel = Pipeline quality natural gas	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CTG	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Once per calendar quarter	
Averaging Period: N/A	
Deviation Limit: 157.5 lb PM/hr (based on minimum flow rate of 468,743 acfm)	
<p>Periodic Monitoring Text: Maximum allowable particulate matter (PM) emission rate per 30 TAC §111.151(a) range from approximately 150-220 lb/hr based on exhaust gas flow rate. Combustion turbine (CT) manufacturer guarantee is 18.3 lb PM/hr when burning gas authorized by NSR permit 41008. Stack testing was performed on two of the four CTs to demonstrate initial compliance. Continued compliance will be demonstrated by the exclusive use of gas authorized by NSR permit 41008. Any quarter where a fuel type other than gas authorized by NSR permit 41008 is used shall be reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CTG	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-CTG
Pollutant: NO _x	Main Standard: § 60.332(a)(1)
Monitoring Information	
Indicator: NO _x concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: A 4-operating hour rolling average value of NO _x concentration greater than 109 ppmv at 15% O ₂	
Periodic Monitoring Text: A continuous emissions monitoring system (CEMS) that meets the specifications of 40 CFR § 60.334(b) shall be used to monitor compliance with the NO _x emission limit. The CEMS shall meet the installation requirements and data analysis requirements specified in the applicable performance specifications in 40 CFR Part 75.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CTG	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60DA-CTG
Pollutant: NO _x	Main Standard: § 60.44Da(d)(1)
Monitoring Information	
Indicator: NO _x concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maximum emissions of 1.6 lb NO _x /MWh calculated as specified in the periodic monitoring text	
<p>Periodic Monitoring Text: The continuous emissions monitoring system (CEMS) specified in 40 CFR § 60.334(b) shall be used to monitor compliance with the NO_x emission limit. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis requirements specified in the appropriate performance specifications in 40 CFR Part 75. NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (lb/MWh).</p> <p>The emission rate (in lb/MWh) for each duct burner shall be calculated as described below for each rolling period that includes 30 duct burner operating days. A duct burner operating day is defined as a calendar day during which the duct burner is fired. The emission rate shall be calculated as the average of the emissions recorded by the CEMS for all clock-hours during which the duct burner was fired over the previous 30 duct burner days, excluding clock-hours during which the associated combustion turbine is operated in maintenance, start-up, or shutdown (MSS) mode (as defined in NSR Permit No. 41008 / PSD Permit No. PSDTX963). Specifically, the emission rate is calculated as the sum of the NO_x CEMS emission measurements (in lbs) for the clock-hours specified above, divided by the sum of the gross electrical output (in MWh) of the associated HRSG and combustion turbine combined for the same clock-hours.</p> <p>The gross electrical output apportioned to the HRSG shall be calculated as: 1) the gross electrical output of the associated steam turbine, multiplied by 2) the total heat input to the combined cycle unit to which the HRSG belongs (i.e. the heat input to the duct burner plus the heat input to its associated combustion turbine), then divided by 3) the sum of total heat input to both combined cycle units associated with the steam turbine.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-CTG	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60DA-CTG
Pollutant: SO ₂	Main Standard: § 60.43Da(b)(2)
Monitoring Information	
Indicator: Sulfur Content	
Minimum Frequency: Monitoring schedule listed in 40 CFR § 60.334(h)(3)	
Averaging Period: N/A	
Deviation Limit: SO ₂ emissions = 0.2 lb/MMBtu	
<p>Periodic Monitoring Text: Maximum sulfur content of 20 grains per 100 dry standard cubic feet (dscf) is defined at § 60.331(u) for natural gas. This maximum sulfur content will ensure that 0.2 lb/MMBtu SO₂ limit stated in NSPS Da will not be exceeded.</p> <p>Maximum SO₂ emissions = (20 gr S/100 SCF) x (10⁶ SCF/MMscf) x (MMscf/1,040 MMBtu) x (lb/7,000 gr) x (2 SO₂/S) = 0.05 lb SO₂/MMBtu</p> <p>Fuel is demonstrated to meet the sulfur content limit of 20 gr/scf per § 60.334(h)(3). Any demonstration that shows fuel sulfur content in excess of 20 gr/scf shall be reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPCTOW	
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
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per calendar quarter	
Averaging Period: N/A	
<p>Deviation Limit: The presence of visible emissions shall be reported as a deviation unless an opacity test is performed. An opacity reading exceeding 15% shall be reported as a deviation.</p>	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. 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.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

Permit Shield

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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		
CONDENTK1	N/A	40 CFR Part 60, Subpart Kb	The storage tanks have less than a 19,800 gallon storage capacity.
EMERGEN	N/A	40 CFR Part 60, Subpart IIII	The engine was manufactured before April 1, 2006 and is not subject to any provisions of §60.4208 because it was installed before December 31, 2008.
EMERGEN2	N/A	40 CFR Part 60, Subpart IIII	The engine was manufactured before April 1, 2006 and is not subject to any provisions of §60.4208 because it was installed before December 31, 2008.
FIREPUMP	N/A	40 CFR Part 60, Subpart IIII	The engine was manufactured before April 1, 2006 and is not subject to any provisions of §60.4208 because it was installed before December 31, 2008.
GRP-CTG	CTG-1, CTG-2, CTG-3, CTG-4	40 CFR Part 63, Subpart DDDDD	The units are not located at a major source of HAPs.
GRP-CTG	CTG-1, CTG-2, CTG-3, CTG-4	40 CFR Part 63, Subpart JJJJJJ	The duct burners are components of waste heat boilers and therefore are excluded from the definition of a boiler in 40 CFR Part 63, Subpart JJJJJJ.
GRP-CTG	CTG-1, CTG-2, CTG-3, CTG-4	40 CFR Part 60, Subpart KKKK	The combustion turbines were constructed prior to February 18, 2005.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CTG	CTG-1, CTG-2, CTG-3, CTG-4	40 CFR Part 63, Subpart YYYY	The site is not a major source of hazardous air pollutants.
GRPCTOW	COOLTOWER1, COOLTOWER2	40 CFR Part 63, Subpart Q	The units are not located at a major source of HAPs.
GRPDIESLTK	EG1-DSLTK, EG2-DSLTK, FP-DSLTK, MV-DSLTK	40 CFR Part 60, Subpart Kb	The storage tanks have less than a 19,800 gallon storage capacity.
GRPDRENLTk	DRENLTkCT1, DRENLTkCT2, DRENLTkCT3, DRENLTkCT4, DRENLTkST1, DRENLTkST2	40 CFR Part 60, Subpart Kb	The units are process tanks and therefore are excluded from the definition of a storage vessel in Part 60, Subpart Kb.
GRPHYDTkST	HYDRTkST1, HYDRTkST2	40 CFR Part 60, Subpart Kb	The units are process tanks and therefore are excluded from the definition of a storage vessel in Part 60, Subpart Kb.
GRPLUBETNK	LUBETNKCT1, LUBETNKCT2, LUBETNKCT3, LUBETNKCT4, LUBETNKST1, LUBETNKST2	40 CFR Part 60, Subpart Kb	The units are process tanks and therefore are excluded from the definition of a storage tank in Part 60, Subpart Kb.

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		
GRPSCAVTK	SCAVTK1, SCAVTK2, SCAVTK3, SCAVTK4	40 CFR Part 60, Subpart Kb	The units are process tanks and therefore are excluded from the definition of a storage vessel in Part 60, Subpart Kb.
MV-GASTK	N/A	40 CFR Part 60, Subpart Kb	The storage tank is part of a gasoline service station.
OILWATRSEP	N/A	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.
PAINTING	N/A	40 CFR Part 63, Subpart MMMM	The site is not a major source of hazardous air pollutants.
WASHER1	N/A	40 CFR Part 63, Subpart T	The parts washer solvent contains less than 5% hazardous air pollutants.

New Source Review Authorization References

New Source Review Authorization References 42

New Source Review Authorization References by Emission Unit..... 43

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.: PSDTX936	Issuance Date: 07/11/2012
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.: 41008	Issuance Date: 07/11/2012
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.103	Version No./Date: 09/04/2000
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.242	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.266	Version No./Date: 09/04/2000
Number: 106.355	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 09/04/2000
Number: 106.471	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	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
CONDENTK1	Condensate Storage Tank 1 (Metering Yard)	41008, PSDTX936
COOLTOWER1	Cooling Tower 1	41008, PSDTX936
COOLTOWER2	Cooling Tower 2	41008, PSDTX936
CTG-1	Turbine/HRSG-1	41008, PSDTX936
CTG-2	Turbine/HRSG-2	41008, PSDTX936
CTG-3	Turbine/HRSG-3	41008, PSDTX936
CTG-4	Turbine/HRSG-4	41008, PSDTX936
DRENLTKCT1	Bearing Drain Enlargement Reservoir Comb Turb 1	106.261/12/24/1998
DRENLTKCT2	Bearing Drain Enlargement Reservoir Comb Turb 2	106.261/12/24/1998
DRENLTKCT3	Bearing Drain Enlargement Reservoir Comb Turb 3	106.261/12/24/1998
DRENLTKCT4	Bearing Drain Enlargement Reservoir Comb Turb 4	106.261/12/24/1998
DRENLTKST1	Bearing Drain Enlargement Reservoir Steam Turb 1	106.261/12/24/1998
DRENLTKST2	Bearing Drain Enlargement Reservoir Steam Turb 2	106.261/12/24/1998
EG1-DSLTK	Diesel Fuel Storage Tank For Emer Gen Eng 1	106.472/09/04/2000
EG2-DSLTK	Diesel Fuel Storage Tank For Emerg Gen Engine 2	106.472/09/04/2000
EMERGEN2	Emergency Generator Engine 2	106.511/09/04/2000
EMERGEN	Emergency Generator Engine 1	106.511/09/04/2000
FIREPUMP	Fire Water Pump Engine	106.511/09/04/2000

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
FP-DSLTK	Diesel Fuel Storage Tank for Fire Water Pump Engin	106.472/09/04/2000
HYDRTKST1	Hydraulic Fluid Reservoir For Steam Turbine 1	106.261/11/01/2003, 106.262/11/01/2003
HYDRTKST2	Hydraulic Fluid Reservoir For Steam Turbine 2	106.261/11/01/2003, 106.262/11/01/2003
LUBETNKCT1	Lube Oil Tank For Combustion Turbine 1	41008, PSDTX936
LUBETNKCT2	Lube Oil Tank For Combustion Turbine 2	41008, PSDTX936
LUBETNKCT3	Lube Oil Tank For Combustion Turbine 3	41008, PSDTX936
LUBETNKCT4	Lube Oil Tank For Combustion Turbine 4	41008, PSDTX936
LUBETNKST1	Lube Oil Tank For Steam Turbine 1	41008, PSDTX936
LUBETNKST2	Lube Oil Tank For Steam Turbine 2	41008, PSDTX936
MV-DSLTK	Diesel Fuel Storage Tank for On-Site Motor Vehicles	106.412/09/04/2000
MV-GASTK	Gasoline Storage Tank for On-Site Motor Vehicles	106.412/09/04/2000
OILWATRSEP	Oil/Water Separator	106.532/09/04/2000
PAINTING	Maintenance Painting of Site Equipment	106.263/11/01/2001
SCAVTK1	Hydrogen Scavenging Tank 1	41008, PSDTX936
SCAVTK2	Hydrogen Scavenging Tank 2	41008, PSDTX936
SCAVTK3	Hydrogen Scavenging Tank 3	41008, PSDTX936
SCAVTK4	Hydrogen Scavenging Tank 4	41008, PSDTX936
WASHER1	Solvent Part Washer	106.454/09/04/2000

Appendix A

Acronym List 46

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.....48

Major NSR Summary Table

Permit Number: 41008/PSDTX936				Issuance Date: 07/11/2012			
Emission Point No. ⁽¹⁾	Source Name ⁽²⁾	Air Contaminant Name ⁽³⁾	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY ⁽⁴⁾	Spec. Cond.	Spec. Cond.	Spec. Cond.
GT-HRSG 1	Combustion Turbine No. 1 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined Cycle Gas Turbine Only Operation					
		NO _x ⁽⁵⁾	60.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21
		CO ⁽⁵⁾	29.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21
		VOC ⁽⁵⁾	2.80		4, 12, 15	4, 12, 15, 18, 19	12
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	18.30		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12
		SO ₂ ⁽⁵⁾	2.40		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12
	H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12	
	Combustion Turbine No. 1 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined Cycle Gas Turbine MSS Operations					
		NO _x ⁽⁵⁾	250.00		4, 9, 13, 14, 15	4, 9, 13, 14, 15, 19, 26, 27	13, 20, 21
		CO ⁽⁵⁾	2100.00		4, 13, 14, 15	4, 13, 14, 15, 19, 26, 27	13, 20, 21
		VOC ⁽⁵⁾	183.00		4, 15	4, 15, 19, 26, 27	
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 15	4, 9, 15, 19, 26, 27	
		SO ₂ ⁽⁵⁾	2.40		4, 15, 16	4, 15, 16, 19, 26, 27	
	Combustion Turbine No. 1 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combine Cycle Gas Turbine with HRSG Duct Burner					
		NO _x ⁽⁵⁾	82.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21
		CO ⁽⁵⁾	51.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21
		VOC ⁽⁵⁾	5.60		4, 12, 15	4, 12, 15, 18, 19	12
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12
SO ₂ ⁽⁵⁾		2.70		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12	
GT-HRSG 2	Combustion Turbine No. 2 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined Cycle Gas Turbine Only Operation					
		NO _x ⁽⁵⁾	60.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21
		CO ⁽⁵⁾	29.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21
		VOC ⁽⁵⁾	2.80		4, 12, 15	4, 12, 15, 18, 19	12
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	18.30		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12
		SO ₂ ⁽⁵⁾	2.40		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12
	H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12	
	Combustion Turbine No. 2	Combined Cycle Gas Turbine MSS Operations					
		NO _x ⁽⁵⁾	250.00		4, 9, 13, 14, 15	4, 9, 13, 14, 15, 19, 26, 27	13, 20, 21

Permit Number: 41008/PSDTX936

Issuance Date: 07/11/2012

Emission Point No. ⁽¹⁾	Source Name ⁽²⁾	Air Contaminant Name ⁽³⁾	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements		
			lb/hr	TPY ⁽⁴⁾	Spec. Cond.	Spec. Cond.	Spec. Cond.		
	(GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	CO ⁽⁵⁾	2100.00		4, 13, 14, 15	4, 13, 14, 15, 19, 26, 27	13, 20, 21		
		VOC ⁽⁵⁾	183.00		4, 15	4, 15, 19, 26, 27			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 15	4, 9, 15, 19, 26, 27			
		SO ₂ ⁽⁵⁾	2.40		4, 15, 16	4, 15, 16, 19, 26, 27			
		H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 15, 16	4, 9, 15, 16, 19, 26, 27			
	Combustion Turbine No. 2 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combine Cycle Gas Turbine with HRSG Duct Burner							
		NO _x ⁽⁵⁾	82.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21		
		CO ⁽⁵⁾	51.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21		
		VOC ⁽⁵⁾	5.60		4, 12, 15	4, 12, 15, 18, 19	12		
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12		
		SO ₂ ⁽⁵⁾	2.70		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12		
		H ₂ SO ₄ ⁽⁵⁾	0.30		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12		
	GT-HRSG 3	Combustion Turbine No. 3 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined Cycle Gas Turbine Only Operation						
			NO _x ⁽⁵⁾	60.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21	
CO ⁽⁵⁾			29.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21		
VOC ⁽⁵⁾			2.80		4, 12, 15	4, 12, 15, 18, 19	12		
PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾			18.30		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12		
SO ₂ ⁽⁵⁾			2.40		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12		
		H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12		
Combustion Turbine No. 3 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack		Combined Cycle Gas Turbine MSS Operations							
		NO _x ⁽⁵⁾	250.00		4, 9, 13, 14, 15	4, 9, 13, 14, 15, 19, 26, 27	13, 20, 21		
		CO ⁽⁵⁾	2100.00		4, 13, 14, 15	4, 13, 14, 15, 19, 26, 27	13, 20, 21		
		VOC ⁽⁵⁾	183.00		4, 15	4, 15, 19, 26, 27			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 15	4, 9, 15, 19, 26, 27			
		SO ₂ ⁽⁵⁾	2.40		4, 15, 16	4, 15, 16, 19, 26, 27			
		H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 15, 16	4, 9, 15, 16, 19, 26, 27			
Combustion Turbine No. 3 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack		Combine Cycle Gas Turbine with HRSG Duct Burner							
		NO _x ⁽⁵⁾	82.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21		
		CO ⁽⁵⁾	51.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21		
		VOC ⁽⁵⁾	5.60		4, 12, 15	4, 12, 15, 18, 19	12		
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12		
		SO ₂ ⁽⁵⁾	2.70		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12		

Permit Number: 41008/PSDTX936				Issuance Date: 07/11/2012				
Emission Point No. ⁽¹⁾	Source Name ⁽²⁾	Air Contaminant Name ⁽³⁾	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements	
			lb/hr	TPY ⁽⁴⁾	Spec. Cond.	Spec. Cond.	Spec. Cond.	
		H ₂ SO ₄ ⁽⁵⁾	0.30		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12	
GT-HRSG 4	Combustion Turbine No. 4 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined Cycle Gas Turbine Only Operation						
		NO _x ⁽⁵⁾	60.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21	
		CO ⁽⁵⁾	29.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21	
		VOC ⁽⁵⁾	2.80		4, 12, 15	4, 12, 15, 18, 19	12	
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	18.30		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12	
		SO ₂ ⁽⁵⁾	2.40		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12	
			H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12
	Combustion Turbine No. 4 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined Cycle Gas Turbine MSS Operations						
		NO _x ⁽⁵⁾	250.00		4, 9, 13, 14, 15	4, 9, 13, 14, 15, 19, 26, 27	13, 20, 21	
		CO ⁽⁵⁾	2100.00		4, 13, 14, 15	4, 13, 14, 15, 19, 26, 27	13, 20, 21	
		VOC ⁽⁵⁾	183.00		4, 15	4, 15, 19, 26, 27		
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 15	4, 9, 15, 19, 26, 27		
		SO ₂ ⁽⁵⁾	2.40		4, 15, 16	4, 15, 16, 19, 26, 27		
			H ₂ SO ₄ ⁽⁵⁾	0.27		4, 9, 15, 16	4, 9, 15, 16, 19, 26, 27	
	Combustion Turbine No. 4 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combine Cycle Gas Turbine with HRSG Duct Burner						
		NO _x ⁽⁵⁾	82.00		4, 9, 10, 12, 13, 14, 15	4, 9, 10, 12, 13, 14, 15, 18, 19	10, 12, 13, 20, 21	
		CO ⁽⁵⁾	51.00		4, 12, 13, 14, 15	4, 12, 13, 14, 15, 18, 19	12, 13, 20, 21	
		VOC ⁽⁵⁾	5.60		4, 12, 15	4, 12, 15, 18, 19	12	
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	21.00		4, 9, 12, 15	4, 9, 12, 15, 18, 19	12	
		SO ₂ ⁽⁵⁾	2.70		4, 10, 12, 15, 16	4, 10, 12, 15, 16, 18, 19	10, 12	
			H ₂ SO ₄ ⁽⁵⁾	0.30		4, 9, 12, 15, 16	4, 9, 12, 15, 16, 18, 19	12
GT-HRSG 1, GT-HRSG 2, GT-HRSG 3 and GT-HRSG 4	(GE PG7241 [7FA]) Combustion Turbine/HRSG Stack No. 1,2,3 and 4	Limits for Combined Emissions from Normal, MSS, and Reduced Load Operation						
		NO _x ⁽⁵⁾		1126.00	4, 12, 13, 14, 15	4, 12, 13, 15, 19	12, 13, 20, 21	
		NO _x (MSS) ⁽⁷⁾	930.00		4, 12, 13, 14, 15	4, 12, 13, 15, 19	12, 13, 20, 21	
		CO ⁽⁵⁾		635.60	4, 12, 13, 14, 15	4, 12, 13, 15, 19	12, 13, 20, 21	
		VOC ⁽⁵⁾		68.00	4, 12, 15	4, 12, 15, 18, 19	12	
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾		342.40	4, 12, 15	4, 12, 15, 18, 19	12	
		SO ₂ ⁽⁵⁾		40.40	4, 12, 15, 16	4, 12, 15, 16, 19	12	
		H ₂ SO ₄ ⁽⁵⁾		4.80	4, 12, 15, 16	4, 12, 15, 16, 19	12	
Ancillary Sources (Hourly and Annual Limits)								
CT-1	Cooling Tower	PM/PM ₁₀ ⁽⁵⁾	18.70	81.70	17	17, 18, 19	17	

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Emission Point No. ⁽¹⁾	Source Name ⁽²⁾	Air Contaminant Name ⁽³⁾	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY ⁽⁴⁾	Spec. Cond.	Spec. Cond.	Spec. Cond.
	No. 1	HOCl	0.04	0.17			
		HCl	0.03	0.12			
		H ₂ SO ₄	<0.01	<0.01			
		VOC ⁽⁵⁾	0.02	0.07			
CT-2	Cooling Tower No. 2	PM/PM ₁₀ ⁽⁵⁾	18.70	81.70	17	17, 18, 19	17
		HOCl	0.04	0.17			
		HCl	0.03	0.12			
		H ₂ SO ₄	<0.01	<0.01			
F-1	Natural Gas, Condensate, Lube Oil and Seal Oil Piping for Units 1 thru 4	VOC ⁽⁵⁾⁽⁶⁾	2.71	11.85			
		H ₂ S ⁽⁵⁾	<0.01	<0.01			
LUBETNKCT1	Unit 1 Combustion Turbine Lube Oil Reservoir Vent	VOC ⁽⁵⁾⁽⁶⁾	0.09	0.40			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾⁽⁶⁾	0.09	0.40			
LUBETNKCT2	Unit 2 Combustion Turbine Lube Oil Reservoir Vent	VOC ⁽⁵⁾⁽⁶⁾	0.09	0.40			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾⁽⁶⁾	0.09	0.40			
LUBETNKCT3	Unit 3 Combustion Turbine Lube Oil Reservoir Vent	VOC ⁽⁵⁾⁽⁶⁾	0.09	0.40			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾⁽⁶⁾	0.09	0.40			
LUBETNKCT4	Unit 4 Combustion Turbine Lube Oil Reservoir Vent	VOC ⁽⁵⁾⁽⁶⁾	0.09	0.40			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾⁽⁶⁾	0.09	0.40			
LUBETNKST1	Steam Turbine No. 1 Lube Oil	VOC ⁽⁵⁾⁽⁶⁾	0.09	0.40			

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Emission Point No. ⁽¹⁾	Source Name ⁽²⁾	Air Contaminant Name ⁽³⁾	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY ⁽⁴⁾	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Reservoir Vent	PM/PM10/PM2.5 ₍₅₎₍₆₎	0.09	0.40			
LUBETNKST2	Steam Turbine No. 2 Lube Oil Reservoir Vent	VOC ₍₅₎₍₆₎	0.09	0.40			
		PM/PM10/PM2.5 ₍₅₎₍₆₎	0.09	0.40			
LUBETNKEG2	Emergency Generator Engine No. 2 Lube Oil Reservoir Vent	VOC ₍₅₎₍₆₎	0.13	0.56			
		PM/PM10/PM2.5 ₍₅₎₍₆₎	0.13	0.11			
CONDENTK1	Natural Gas Condensate Storage Tank No. 1 in Metering Yard	VOC ₍₅₎	0.12	0.50			
		H ₂ S	0.01	0.01			
LD-CONDTK1	Natural Gas Condensate Truck Loading from Storage Tank No. 1	VOC ₍₅₎	18.10	0.01			
		H ₂ S	0.01	0.01			
SCAVTK1	Hydrogen Scavenging Tank Vent for Unit 1 Seal Oil	VOC ₍₅₎	0.01	0.01			
		PM/PM10/PM2.5 ₍₅₎	0.01	0.01			
SCAVTK2	Hydrogen Scavenging Tank Vent for Unit 2 Seal Oil	VOC ₍₅₎	0.01	0.01			
		PM/PM10/PM2.5 ₍₅₎	0.01	0.01			
SCAVTK3	Hydrogen Scavenging Tank Vent for Unit 3 Seal Oil	VOC ₍₅₎	0.01	0.01			
		PM/PM10/PM2.5 ₍₅₎	0.01	0.01			

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Emission Point No. ⁽¹⁾	Source Name ⁽²⁾	Air Contaminant Name ⁽³⁾	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY ⁽⁴⁾	Spec. Cond.	Spec. Cond.	Spec. Cond.
SCAVTK4	Hydrogen Scavenging Tank Vent for Unit 4 Seal Oil	VOC ⁽⁵⁾	0.01	0.01			
		PM/PM ₁₀ /PM _{2.5} ⁽⁵⁾	0.01	0.01			

Footnotes:

- (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
H₂SO₄ - sulfuric acid
H₂S - hydrogen sulfide
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5},
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5},
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) These emissions are authorized under Federal PSD and state permitting regulations.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (7) MSS hourly emission limit only. The tpy emission limit represented in the MAERT for these facilities includes combined emissions from the facilities during normal operations, planned MSS activities and reduced load operation.

Special Conditions

Permit Numbers 41008 and PSDTX936

Emission Standards and Operating Specifications

1. The four combustion turbine generator (CTG) units authorized by this permit are each rated for a nominal maximum power output of 170 megawatts (MW) and have a combined nominal capacity of 1,000 MW in combined cycle operations. Each of the four CTG units authorized by this permit is limited to a maximum heat input capacity of 1,786 million British thermal units per hour (MMBtu/hr), based on the higher heating value (HHV) of the fuel fired.
2. The four heat recovery steam generating unit (HRSGU) duct burners are each limited to a maximum heat input capacity of 275 MMBtu/hr based on the HHV of the fuel fired. The total annual heat input to all duct burners shall not exceed 4,500,000 MMBtu for the facility site.
3. Fuel for CTGs and HRSGU duct burners is limited to pipeline-quality natural gas and the natural gas blends, described in Odessa-Ector Power Partner's letter to Texas Commission on Environmental Quality (TCEQ) dated July 19, 2007. The fuel shall contain no more than 5 grains total sulfur per 100 dry standard cubic feet (dscf) (0.5 grain total sulfur per 100 dscf averaged over any consecutive 12-month period). Use of any other fuel shall require modification to this permit. Fuel usage shall also be based on the limitations specified in Special Condition Nos. 1 and 2.
4. Upon request by the Executive Director of the TCEQ or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuels fired in the gas turbines and duct burners or shall allow air pollution control agency representatives to obtain a sample for analysis.
5. The CTG units shall normally operate in the 6Q stage of combustion (which typically corresponds to loads between 50 and 100 percent of base load) except for periods of maintenance, startup or shutdown (MSS) (as defined in Special Conditions Nos. 26 and 27) and reduced load operation. Reduced load operation which is defined as non-MSS operation in other than the 6Q stage of combustion, is authorized to accommodate periods of reduced power demand. During reduced load operation, emissions must not exceed the maximum pounds per hour (lbs/hr) emission rates specified on the attached table titled "Emission Sources - Maximum Allowable Emissions Rates." **(07/12)**
6. For any CTG load except during periods of planned MSS or during periods of reduced load operation associated with reduced power demand as authorized under Special Condition No. 5, the CTG emissions shall not exceed the following exhaust concentration limits. **(07/12)**

The limits are expressed as three hour-average concentrations (or one-hour-average concentrations prior to July 1, 2012) in parts per million by volume dry basis (ppmvd), corrected to 15 percent oxygen (O₂), without correction to International

Standards Organization (ISO) conditions. Compliance with the concentration limits for nitrogen oxides (NO_x) and carbon monoxide (CO) is based on concentrations averaged over each rolling three-clock hour period of normal operation (or each one clock hour of normal operation prior to July 1, 2012), as measured and recorded by the continuous emissions monitoring system (CEMS) specified in Special Condition No. 13:

- A. NO_x, 9.0 ppmvd.
 - B. CO, 9.0 ppmvd.
 - C. Volatile organic compounds (VOC), 1.2 ppmvd. For the purposes of this limit, VOC is defined as total hydrocarbons, not including methane and ethane, and is calculated (measured) as methane.
7. The HRSGU duct burner emissions shall not exceed the following limits, expressed in lb/MMBtu, based on the HHV of natural gas.
- A. NO_x, 0.08 lb/MMBtu.
 - B. CO, 0.08 lb/MMBtu.
 - C. VOC, 0.01 lb/MMBtu.
8. For any CTG load except during periods of planned MSS or during periods of reduced load operation associated with reduced power demand as authorized under Special Condition No. 5, the combined CTG and HRSGU duct burner emissions shall not exceed the following exhaust concentration limits. The limits are expressed as three hour-average concentrations in ppmvd, corrected to 15 percent O₂, without correction to ISO conditions. Compliance with the concentration limits for NO_x and CO is based on concentrations averaged over each rolling three-clock hour period of normal operation (or each one-clock hour of normal operation prior to July 1, 2012), as measured and recorded by the CEMS specified in Special Condition No. 13: **(07/12)**
- A. NO_x, 10.9 ppmvd.
 - B. CO, 11.4 ppmvd.
 - C. VOC, 2.2 ppmvd.
9. Opacity of emissions shall not exceed the following limits, expressed as opacity readings averaged over a six-minute period: **(07/12)**
- A. Except during MSS activities, five percent from Emission Point Numbers (EPNs) GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4.
 - B. During MSS activities, 15 percent from EPNs GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, GT-HRSG 4.
 - C. 15 percent, from any cooling tower vent.

Compliance with the limits specified in Special Conditions 9A, 9B, and 9C shall be determined 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 points. 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. If visible emissions are observed from an emission point, then the opacity shall be determined and documented within 24 hours for that emission point during the specific type of operation that exhibited the visible emissions (i.e., during MSS operation versus non-MSS operation) using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9.

Observations to verify compliance with the limits specified in Special Conditions 9A, 9B, and 9C shall be performed and recorded quarterly. Contributions from uncombined water shall not be included in determining compliance with the limits. If the opacity measured using Method 9 exceeds the specified limits, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

Federal Applicability

10. A. The CTGs/HRSGUs shall comply with applicable requirements of the EPA Regulations on Standards of Performance for New Stationary Sources, 40 CFR Part 60, Subpart A, General Conditions, and the following:
 - (1) Subpart Da, Electric Utility Steam Generating Units.
 - (2) Subpart GG, Stationary Gas Turbines.
- B. The emergency diesel engines shall comply with applicable requirements of 40 CFR Part 63, Subpart A, General Conditions, and Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Initial Determination of Compliance

11. Sampling ports and platforms shall be incorporated into the design of all four exhaust stacks (EPNs GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4) according to the specifications set forth in the attachment titled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Midland Regional Director. **(07/12)**
12. Upon request of the TCEQ Midland Regional Office, the holder of this permit shall perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from at least two of the four units: EPNs GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4. If any unit sampled exceeds the allowable emissions or if there is a significant deviation in the results of the two sampled units, additional units may be required

to sample. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods.

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). If fuel sampling is used, compliance with New Source Performance Standards (NSPS), Subpart GG, SO₂ limits shall be based on 100 percent conversion of the sulfur in the fuel to SO₂. Any deviations from those procedures must be approved by the Executive Director of the TCEQ prior to sampling. The TCEQ Executive Director or his designated representative shall be afforded the opportunity to observe all such sampling.

The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

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

The notice shall include:

- (1) Date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.
- (6) Procedure used to determine turbine loads during and after the sampling period.
- (7) Method to determine stack concentration of particulate matter (PM).

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Midland Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition or alternate/equivalent test procedure proposals for NSPS requiring U.S. EPA approval under 40 CFR Part 60 shall be submitted to the TCEQ Office of Air, Air Permits Division in Austin.

- B. Air emissions to be tested for at full CTG load include (but are not limited to) NO_x, O₂, CO, VOC, PM equal to or less than 10 microns in diameter, and opacity. Testing at full CTG load shall be conducted for the following test

conditions: CTG only, and CTG and duct burner firing at the maximum feasible rate. This testing will be used to demonstrate initial compliance with Special Condition Nos. 6 and 8 and the maximum allowable emission rates table (MAERT).

- C. Air emissions of NO_x, O₂, CO, and VOC from each CTG (duct burners off) shall be tested at three partial load conditions in the normal operating range of the gas turbine, including the minimum point in the range. The normal operating range consistent with emission limits is to be determined during stack testing. This testing will be used to demonstrate initial compliance with Special Condition No. 6 and the MAERT. Each tested load shall be identified in the sampling report.
- D. Air emissions of NO_x, O₂, CO, and VOC from the HRSGU duct burners shall be tested while firing at maximum rated heat capacity that will produce the highest allowable emission rates considering the ambient conditions at the time of testing. If simultaneous sampling is not possible, the HRSGU duct burner emissions shall be calculated as the remainder of emissions when subtracting the CTG emissions with the duct burners out of service from the GT-HRSGU stack emissions with the duct burners in service. The CTG must be operating at a maximum rate for the ambient conditions and shall be fired with natural gas. For the purposes of demonstrating initial compliance, emissions from the HRSGU duct burners shall not exceed the limits in Special Condition No. 7.
- E. Sampling of each gas turbine and duct burner shall occur within 60 days after achieving the maximum production rate at which each gas turbine and duct burner will be operated but no later than 180 days after initial startup of each unit. Additional sampling shall occur as may be required by the TCEQ or EPA.
- F. Within 60 days after the completion of the testing and sampling required herein, two copies of the sampling reports shall be distributed as follows:
 - One copy to the TCEQ Midland Regional Office.
 - One copy to the EPA Region 6 Office, Dallas.
- G. The initial performance testing was completed in July, 2001.

Continuous Determination of Compliance

- 13. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NO_x, CO, and O₂ from each GT-HRSGU Stack (EPNs GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4). The initial certification and Relative Accuracy Test Audit shall be conducted prior to or during the sampling required by Special Condition No. 12. For periods of planned MSS or reduced load operation as authorized under Special Condition No. 5 during which CEMS emission data for a CTG-HRSGU stack are unavailable, combustion turbine

emission rates may alternatively be calculated using manufacturer emission factors or representative data previously measured and recorded by the unit's CEMS during MSS operations. **(07/12)**

- A. Monitored NO_x and CO concentrations shall be corrected and reported in dimensional units corresponding to the emission rate and concentration limits established for the gas turbines and duct burners in this permit.
 - B. The NO_x CEMS shall meet the relevant quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. As an alternative, the quality-assurance procedures outlined in 40 CFR Part 75, Appendix B for NO_x and O₂ may be used to satisfy the quality assurance requirements of this condition. For the CO CEMS, Cylinder Gas Audits may be conducted in all four calendar quarters in lieu of annual Relative Accuracy Test Audits. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3, or in 40 CFR Part 75, Appendix B (if selected for NO_x and O₂), and any CEMS downtime shall be reported to the TCEQ Midland Regional Director, as required by Special Condition No. 21, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the Regional Director of the TCEQ Midland Office.
 - C. The monitoring data shall be reduced to hourly average values at least once every day, using a minimum of four equally-spaced data points from each one-hour period.
 - D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit. Hourly average concentrations from EPN GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, or GT-HRSG 4 shall be converted to tons per year and used to determine compliance with the annual emission limits in the MAERT.
 - E. The TCEQ Midland Regional Office shall be notified at least 30 days prior to any required relative accuracy test audit in order to provide them the opportunity to observe the testing.
 - F. If applicable, the CEMS will be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A.
14. If any emission monitor for a GT-HRSGU stack fails to meet specified performance, it shall be repaired or replaced immediately, but no later than seven days after it was first detected by any employee at the site, unless written permission is obtained from the TCEQ which allows for a longer repair/replacement time. The holder of this permit shall develop an operation and maintenance program (including

- stocking necessary spare parts) to ensure that the continuous monitors are available as required.
15. The holder of this permit shall additionally install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly natural gas consumption of the gas turbines and the duct burners. The systems shall be accurate to ± 5.0 percent of the unit's maximum flow.
 16.
 - A. To demonstrate compliance with Special Condition No. 3 and the SO₂ limitations in the MAERT for the CTGs and HRSGU duct burners, the holder of this permit shall monitor the natural gas fired for sulfur content using one of the options specified in 40 CFR § 60.334(h), including the option to use an approved custom fuel monitoring schedule. Any request for a custom monitoring schedule shall be made in writing and directed to the TCEQ Midland Regional Office. Any custom schedule approved by the TCEQ pursuant to 40 CFR § 60.334(h) will be recognized as enforceable conditions of this permit.
 - B. To demonstrate compliance with the SO₂ limitations in the MAERT for the emergency engines, the holder of this permit shall maintain records of the diesel fuel sulfur content according to the fuel suppliers.
 17. The holder of this permit shall demonstrate continuous compliance with the hourly and annual PM emission limits in the MAERT for the cooling towers by periodically monitoring the solids concentration in the cooling water. The water in the Cooling Towers must not exceed a total dissolved solids (TDS) concentration of 13,000 parts per million by weight (ppmw). The holder of this permit shall:
 - A. Perform sampling to establish a TDS-to-conductivity conversion factor [in ppmw per micromho/centimeter ($\mu\text{mho}/\text{cm}$)]. Collect a sample of cooling water in each of the three calendar months following issuance of this Special Condition. Analyze each of the three samples for conductivity and TDS in order to establish the actual cooling water TDS-to-conductivity conversion factor. Analyze conductivity and TDS in accordance with "Standard Methods for the Examination of Water and Wastewater" Method 2510 (Conductivity) and Method 2540 (Solids). Determine an average conversion factor and standard deviation based on the three values from the cooling water sample results.
 - B. Submit to the TCEQ Midland Regional Office copies of the sampling report within 30 days after completion of the sampling.
 - C. On no less than a weekly basis, measure and record the conductivity of the cooling water at a monitoring point in the recirculating water system of each cooling tower. Convert each conductivity measurement to TDS concentration in ppmw using the TDS-to-conductivity conversion factor established in accordance with A. of this Special Condition. A conservative default conversion factor of 0.80 may be used initially until a site-specific demonstrated value is determined.

Recordkeeping Requirements

18. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. A copy of this permit.
 - B. Permit application dated April 1, 1999 and subsequent representations submitted to the TCEQ, including the amendment application dated August 14, 2009.
 - C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 12 to demonstrate initial compliance.
 - D. Stack sampling results or other testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.
19. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:
 - A. The CEMS data of NO_x, CO, and O₂ emissions from EPNs GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4 to demonstrate compliance with the MAERT;
 - B. Raw data files of all CEMS data, including relative accuracy test audit (RATA) results, calibration checks and adjustments and maintenance performed on these systems in a permanent form suitable for inspection;
 - C. Records of the hours of operation and average daily quantity of natural gas fired in the CTGs and HRSGU duct burners,
 - D. Fuel sulfur content as required by Special Condition No. 16;
 - E. Results of visible emission and opacity observations, as specified in Special Condition No. 9, and
 - F. Results of TDS and conductivity monitoring data from cooling tower water, as specified in Special Condition No. 17, including:
 - (1) Location of the monitoring point for the cooling tower recirculating water and date and time of monitoring; and
 - (2) Weekly measured conductivity in µmhos/cm and the equivalent TDS ppmw in the recirculating water in the cooling tower.
 - G. Records to demonstrate compliance with Special Condition Nos. 26 and 27 with regards to startup and shutdown of each CTG. **(07/12)**

Reporting

20. The holder of this permit shall submit to the TCEQ Midland Regional Office and the Air Enforcement Branch of EPA in Dallas quarterly reports as described in 40 CFR § 60.7. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit. In addition to the information specified in 40 CFR § 60.7(c), each report shall contain the hours of operation of the CTGs authorized by this permit and a summary of the periods of noncomplying emissions and CEMS downtimes by cause. The reporting of emission exceedances required by this condition does not relieve the holder of this permit from the notification requirements of emission events or maintenance as required by Title 30 Texas Administrative Code (30 TAC) §§ 101.201, 101.211, 101.221, 101.222, and 101.223.
21. A. If the average NO_x or CO stack outlet emission rate for EPNs GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4 other than planned MSS exceeds the maximum allowable emissions rate for more than one averaging periods, the holder of this permit shall investigate and determine the reason for the exceedance and, if needed, make necessary repairs and/or adjustments as soon as possible.
- B. If the NO_x or CO emission rate exceeds the emission rate in the MAERT for more than 24 consecutive hours, the permit holder shall notify the TCEQ Midland Regional Office within the next 24 hours either verbally or with a written report via facsimile detailing the cause of the increase in emissions and all efforts being made to correct the problem.

Permit by Rule Incorporation

22. The following equipment and activities are authorized by permit by rule (PBR) under 30 TAC Chapter 106 and are incorporated into this permit by reference only. **(07/12)**

Combustion Activities	PBR
Comfort Heaters	§ 106.102
Comfort Air Conditioning Systems	§ 106.103
Space Heaters	§ 106.183
Emergency Generator Engines, Emergency Fire Water Pump Engine	§ 106.511
Temporary Emergency Generators and Air Compressors	§ 106.511
Miscellaneous Process / Activities	PBR
Bench Scale Laboratory Equipment	§ 106.122

Food Preparation	§ 106.242
Water Treatment Systems, Including Chemical and Water Storage Tanks and Piping	§ 106.371
Vehicle Fueling Facilities, Including Piping and Dispensing	§ 106.412
Miscellaneous Organic and Inorganic Liquid Loading/Unloading	§ 106.472
Oil/Water Separator	§ 106.532
Wastewater Treatment Systems	§ 106.532
Storage Tanks	PBR
Diesel Fuel Storage Tank for Emergency Generator 1	§ 106.472
Diesel Fuel Storage Tank for Emergency Generator 2	§ 106.472
Diesel Fuel Storage Tank for Fire Water Pump Engine	§ 106.472
Hydraulic Oil Storage Tank 1	§ 106.472
Hydraulic Oil Storage Tank 2	§ 106.472
Lube/Hydraulic/Seal Oil Storage Tank for Turbine Recirculation Systems	§ 106.472
Miscellaneous Lube Oil and Grease, Including Used Lubricants	§ 106.472
Steam Turbine Condensate	§ 106.472
Maintenance, Startup, and Shutdown (MSS) Activities	PBR
Welding, Soldering, and Brazing	§ 106.227
Miscellaneous Routine Maintenance, Start-up/Shutdown, Temporary Maintenance (including, but not limited to: blast cleaning, miscellaneous oil changes, painting, water washes, steam cleaning, condensate blowdown)	§ 106.263
Hand-held and Manually Operated Machines	§ 106.265
Natural Gas Pipeline Purging and Maintenance	§ 106.355
Parts Washer Degreaser and Associated Solvent Handling	§ 106.454
Sludge Management	§ 106.532

MSS

23. Planned combustion optimization maintenance activities shall not exceed 60 minutes per event. **(07/12)**
24. The emissions limits that are specified in Special Condition Nos. 6, 7, and 8 do not apply to the clock hours during which planned MSS activities occur. Additionally, if a CTG operates in MSS mode during any part of a clock hour, the applicable lb/hr emission limit for that hour will be the MSS limit specified in the MAERT. **(07/12)**
25. The holder of this permit shall minimize emissions during planned MSS activities by operating the facilities authorized by the permit and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the plant. **(07/12)**
26. A planned startup of a CTG authorized by this permit is defined as the period that begins when fuel flow to the CTG is established and ends when the 6Q stage of combustion is achieved, plus 15 minutes. A planned startup for a CTG is limited to 360 minutes (six hours), except a planned startup of a CTG after a maintenance outage is limited to 960 minutes (sixteen hours). **(07/12)**
27. Except for periods of reduced load operation associated with reduced power demand as authorized under Special Condition No. 5 and periods of planned combustion optimization maintenance activities as authorized under Special Condition No. 23, a planned shutdown of a CTG is defined as the period that begins when the reduction of fuel flow to the turbine falls below the level necessary to maintain 6Q operation and ends when the unit is no longer receiving fuel. A planned shutdown for a CTG is limited to 60 minutes. **(07/12)**
28. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until January 1, 2013. **(07/12)**

Date: July 11, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Number 41008 and PSDTX936

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-HRSG 1	Combustion Turbine No. 1 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined-Cycle Gas Turbine only operation (Maximum Hourly Limits)		
		NO _x (5)	60.00	
		CO (5)	29.00	
		VOC (5)	2.80	
		PM/PM ₁₀ /PM _{2.5} (5)	18.30	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Gas Turbine MSS Operations (Maximum Hourly Limits)		
		NO _x (5)	250.00	
		CO (5)	2100.00	
		VOC (5)	183.00	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Combined-Cycle Gas Turbine with HRSG duct burner (Maximum Hourly Limits)		
		NO _x (5)	82.00	
		CO (5)	51.00	
		VOC (5)	5.60	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.70	
		H ₂ SO ₄ (5)	0.30	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-HRSG 2	Combustion Turbine No. 2 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined-Cycle Gas Turbine only operation (Maximum Hourly Limits)		
		NO _x (5)	60.00	
		CO (5)	29.00	
		VOC (5)	2.80	
		PM/PM ₁₀ /PM _{2.5} (5)	18.30	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Gas Turbine MSS Operations (Maximum Hourly Limits)		
		NO _x (5)	250.00	
		CO (5)	2100.00	
		VOC (5)	183.00	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Combined-Cycle Gas Turbine with HRSG duct burner (Maximum Hourly Limits)		
		NO _x (5)	82.00	
		CO (5)	51.00	
		VOC (5)	5.60	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.70	
		H ₂ SO ₄ (5)	0.30	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-HRSG 3	Combustion Turbine No. 3 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined-Cycle Gas Turbine only operation (Maximum Hourly Limits)		
		NO _x (5)	60.00	
		CO (5)	29.00	
		VOC (5)	2.80	
		PM/PM ₁₀ /PM _{2.5} (5)	18.30	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Gas Turbine MSS Operations (Maximum Hourly Limits)		
		NO _x (5)	250.00	
		CO (5)	2100.00	
		VOC (5)	183.00	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Combined-Cycle Gas Turbine with HRSG duct burner (Maximum Hourly Limits)		
		NO _x (5)	82.00	
		CO (5)	51.00	
		VOC (5)	5.60	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.70	
		H ₂ SO ₄ (5)	0.30	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-HRSG 4	Combustion Turbine No. 4 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined-Cycle Gas Turbine only operation (Maximum Hourly Limits)		
		NO _x (5)	60.00	
		CO (5)	29.00	
		VOC (5)	2.80	
		PM/PM ₁₀ /PM _{2.5} (5)	18.30	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Gas Turbine MSS Operations (Maximum Hourly Limits)		
		NO _x (5)	250.00	
		CO (5)	2100.00	
		VOC (5)	183.00	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.40	
		H ₂ SO ₄ (5)	0.27	
		Combined-Cycle Gas Turbine with HRSG duct burner (Maximum Hourly Limits)		
		NO _x (5)	82.00	
		CO (5)	51.00	
		VOC (5)	5.60	
		PM/PM ₁₀ /PM _{2.5} (5)	21.00	
		SO ₂ (5)	2.70	
		H ₂ SO ₄ (5)	0.30	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4	(GE PG7241 [7FA]) Combustion Turbine/HRSG Stack No. 1,2, 3, and 4	Limits for combined emissions from normal, MSS, and reduced load operation		
		NO _x (5)		1126.00
		NO _x (7)	930.00	--
		CO (5)		635.60
		VOC (5)		68.00
		PM/PM ₁₀ /PM _{2.5} (5)		342.40
		SO ₂ (5)		40.40
		H ₂ SO ₄ (5)		4.80
Ancillary Sources (Hourly and Annual Limits)				
CT-1	Cooling Tower No. 1	PM/PM ₁₀ (5)	18.70	81.70
		HOCl	0.04	0.17
		HCl	0.03	0.12
		H ₂ SO ₄	< 0.01	< 0.01
		VOC (5)	0.02	0.07
CT-2	Cooling Tower No. 2	PM/PM ₁₀ (5)	18.70	81.70
		HOCl	0.04	0.17
		HCl	0.03	0.12
		H ₂ SO ₄	< 0.01	< 0.01
		VOC (5)	0.02	0.07
F-1	Natural Gas, Condensate, Lube Oil, and Seal Oil Piping for Units 1 thru 4	VOC (5)(6)	2.71	11.85
		H ₂ S (5)	< 0.01	< 0.01
LUBETNKCT1	Unit 1 Combustion Turbine Lube Oil Reservoir Vent	VOC (5)(6)	0.09	0.40
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.09	0.40

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
LUBETNKCT2	Unit 2 Combustion Turbine Lube Oil Reservoir Vent	VOC (5)(6)	0.09	0.40
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.09	0.40
LUBETNKCT3	Unit 3 Combustion Turbine Lube Oil Reservoir Vent	VOC (5)(6)	0.09	0.40
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.09	0.40
LUBETNKCT4	Unit 4 Combustion Turbine Lube Oil Reservoir Vent	VOC (5)(6)	0.09	0.40
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.09	0.40
LUBETNKST1	Steam Turbine No. 1 Lube Oil Reservoir Vent	VOC (5)(6)	0.09	0.40
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.09	0.40
LUBETNKST2	Steam Turbine No. 2 Lube Oil Reservoir Vent	VOC (5)(6)	0.09	0.40
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.09	0.40
LUBETNKEG2	Emergency Generator Engine No. 2 Lube Oil Reservoir Vent	VOC (5)(6)	0.13	0.56
		PM/PM ₁₀ /PM _{2.5} (5)(6)	0.13	0.11
CONDENTK1	Natural Gas Condensate Storage Tank No. 1 in Metering Yard	VOC (5)	0.12	0.50
		H ₂ S	0.01	0.01
LD-CONDTK1	Natural Gas Condensate Truck Loading from Storage Tank No. 1	VOC (5)	18.10	0.01
		H ₂ S	0.01	0.01
SCAVTK1	Hydrogen Scavenging Tank Vent for Unit 1 Seal Oil	VOC (5)	0.01	0.01
		PM/PM ₁₀ /PM _{2.5} (5)	0.01	0.01
SCAVTK2	Hydrogen Scavenging Tank Vent for Unit 2 Seal Oil	VOC (5)	0.01	0.01
		PM/PM ₁₀ /PM _{2.5} (5)	0.01	0.01
SCAVTK3	Hydrogen Scavenging Tank Vent for Unit 3 Seal Oil	VOC (5)	0.01	0.01
		PM/PM ₁₀ /PM _{2.5} (5)	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
SCAVTK4	Hydrogen Scavenging Tank Vent for Unit 4 Seal Oil	VOC (5)	0.01	0.01
		PM/PM ₁₀ /PM _{2.5} (5)	0.01	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
H₂SO₄ - sulfuric acid
HOCl - hypochlorous acid
HCl - hydrogen chloride
H₂S - hydrogen sulfide
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5},
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5},
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) These emissions are authorized under Federal PSD and state permitting regulations.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (7) MSS hourly emission limit only. The tpy emission limit represented in the MAERT for these facilities includes combined emissions from the facilities during normal operations, planned MSS activities, and reduced load operation.

Date: July 11, 2012