FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Paris Generation, L.P.

AUTHORIZING THE OPERATION OF
Paris Energy Center
Electric Services

LOCATED AT
Lamar County, Texas
Latitude 33° 41' 37" Longitude 95° 33' 30"
Regulated Entity Number: RN100216555

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

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

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

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: O94 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

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

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

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

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

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

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

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

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

(ii) Title 30 TAC § 111.111(a)(1)(E)

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

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

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

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

(3) Records of all observations shall be maintained.

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

(5) Compliance Certification:

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

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

on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

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

B. 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.

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

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. 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

7. 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

8. 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

9. 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.

10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

11. 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.

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

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

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

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. 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)

15. 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

16. For units TURB-HRSG1 and TURB-HRSG2 (identified in the Certificate of Representation as units HRSG1 and HRSG2 respectively), located at the affected source identified by ORIS/Facility code 50109, 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 SO_2 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. SO_2 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 SO_2.

(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 SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 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 SO_2 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 SO_2 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 SO_2 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 SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Clean Air Interstate Rule Permit Requirements

17. For units TURB HRSG1 and TURB HRSG2 (identified in the Certificate of Representation as units HRSG1 and HRSG2), located at the site identified by ORIS/Facility code 50109, 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 SO_2 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 SO_2 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 SO_2 source and each CAIR SO_2 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 SO_2 source with the CAIR SO_2 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. SO_2 emissions requirements

(i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR SO_2 source and each CAIR SO_2 unit at the source shall hold, in the source's compliance account, CAIR SO_2 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 SO_2 units at the source, as determined in accordance with the requirements of 40 CFR Part 96, Subpart HHH.

(ii) A CAIR SO_2 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 SO_2 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 SO_2 allowance was allocated.

(iv) CAIR SO_2 allowances shall be held in, deducted from, or transferred into or among CAIR SO_2 Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FFF or Subpart GGG.

(v) A CAIR SO_2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO_2 Trading Program. No provision of the CAIR SO_2 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 SO_2 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 SO_2 allowance to or from a CAIR SO_2 unit's compliance account is incorporated automatically in this CAIR permit.

F. SO_2 excess emissions requirements

(i) If a CAIR SO_2 source emits sulfur dioxides during any control period in excess of the CAIR SO_2 emissions limitation, the owners and operators of the source and each CAIR SO_2 unit at the source shall surrender the CAIR SO_2 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 SO_2 source and each CAIR SO_2 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 SO_2 designated representative for the source and each CAIR SO_2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such 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 SO_2 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 SO_2 Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program and CAIR SO_2 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 SO_2 source and each CAIR

SO_2 unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program and the CAIR SO_2 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 SO_2 source and each CAIR SO_2 unit shall meet the requirements of the CAIR SO_2 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 SO_2 Trading Program that applies to a CAIR NO_x source or CAIR SO_2 source or the CAIR designated representative of a CAIR NO_x source or CAIR SO_2 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 SO_2 Trading Program that applies to a CAIR NO_x unit or CAIR SO_2 unit or the CAIR designated representative of a CAIR NO_x unit or CAIR SO_2 unit shall also apply to the owners and operators of such unit.

L. No provision of the CAIR NO_x Annual Trading Program, CAIR SO_2 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 SO_2 source or CAIR SO_2 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
COOL TWR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-ENGINE	SRIC ENGINES	E-8, GEN-11	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-GTHRSG	STATIONARY TURBINES	TURB-HRSG1, TURB-HRSG2	R73010-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
GRP-HRSG	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	HRSG-1, HRSG-2	60DB-1	40 CFR Part 60, Subpart Db	No changing attributes.
GRP-TURB	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	TURB-1, TURB-2	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURB	STATIONARY TURBINES	TURB-1, TURB-2	R73010-1	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
GRP-TURB	STATIONARY TURBINES	TURB-1, TURB-2	60GG-1	40 CFR Part 60, Subpart GG	No changing attributes.
GRP-TURB	STATIONARY TURBINES	TURB-1, TURB-2	60GG-2	40 CFR Part 60, Subpart GG	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)
COOL TWR	EP	R1111-1	PM (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-ENGINE	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRP-GTHRSG	EU	R73010-1	NO_x	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(B)(ii) § 117.3010 § 117.3010(1) § 117.3010(1)(B) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each stationary gas turbine (including duct burners used in turbine exhaust ducts) not subject to Texas Utilities Code (TUC), §39.264 shall ensure that emissions of NOx do not exceed 0.15 (or alternatively, 42 parts per million by volume (ppmv) NOx, adjusted to 15% O2, dry basis) lb/MMBtu heat input on an annual calendar year average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(e) § 117.3040(e)(2) § 117.3040(h) § 117.3040(h)(1) § 117.3040(h)(2)	§ 117.3045(a) [G]§ 117.3045(e)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056

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-HRSG	EU	60DB-1	SO_2	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRP-HRSG	EU	60DB-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRP-HRSG	EU	60DB-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRP-HRSG	EU	60DB-1	NO_X	40 CFR Part 60, Subpart Db	§ 60.44b(a)(4)(i) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Except as in §60.44b(k), (l), on/after §60.8 test, no facility combusting natural gas and distillate oil (duct burner in a combined cycle system) shall discharge NOx in excess of 86 ng/J heat input.	§ 60.46b(c) § 60.46b(f) § 60.46b(f)(2) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b)
GRP-TURB	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not	[G]§ 111.111(a)(1)(F) ** See Periodic	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Emissions		exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	Monitoring Summary		
GRP-TURB	EU	R73010-1	NO_X	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(B)(ii) § 117.3010 § 117.3010(1) § 117.3010(1)(B) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each stationary gas turbine (including duct burners used in turbine exhaust ducts) not subject to Texas Utilities Code (TUC), §39.264 shall ensure that emissions of NOx do not exceed 0.15 (or alternatively, 42 parts per million by volume (ppmv) NOx, adjusted to 15% O2, dry basis) lb/MMBtu heat input on an annual calendar year average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(e) § 117.3040(e)(2) § 117.3040(h) § 117.3040(h)(1) § 117.3040(h)(2)	§ 117.3045(a) [G]§ 117.3045(e)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) § 117.3054(a) § 117.3054(a)(1) § 117.3054(a)(1)(A) § 117.3054(a)(2) § 117.3054(a)(3) § 117.3054(a)(4) § 117.3054(c) § 117.3056
GRP-TURB	EU	60GG-1	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) § 60.334(h)(4)	None	None
GRP-TURB	EU	60GG-1	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(1) § 60.332(a)(3) § 60.332(a)(4) § 60.332(f) § 60.332(i)	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(h) § 60.334(h)(2) § 60.334(i) § 60.334(i)(2) § 60.334(j) § 60.334(j)(1) [G]§ 60.334(j)(1)(ii) [G]§	[G]§ 60.334(b) § 60.334(i) § 60.334(i)(2)	§ 60.334(j) § 60.334(j)(3) § 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)
							60.334(j)(1)(iii) [G]§ 60.335(a) § 60.335(b)(11) § 60.335(b)(2) § 60.335(b)(3) § 60.335(b)(5) § 60.335(b)(9) § 60.335(b)(9)(ii)		
GRP-TURB	EU	60GG-2	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) § 60.334(h)(4)	None	None
GRP-TURB	EU	60GG-2	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(1) § 60.332(a)(3) § 60.332(a)(4) § 60.332(f) § 60.332(i)	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(h) § 60.334(h)(2) § 60.334(i) § 60.334(i)(1) § 60.334(j) § 60.334(j)(1) [G]§ 60.334(j)(1)(ii) [G]§ 60.334(j)(1)(iii) [G]§ 60.335(a) § 60.335(b)(11) § 60.335(b)(2) § 60.335(b)(3) § 60.335(b)(5) § 60.335(b)(9) § 60.335(b)(9)(i)	[G]§ 60.334(b) § 60.334(i) § 60.334(i)(1)	§ 60.334(j) § 60.334(j)(3) § 60.334(j)(5)

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: COOL TWR	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per quarter	
Averaging Period: Six minutes	
Deviation Limit: Occurrence of visible emissions having an opacity that is greater than 15% shall be reported as a deviation, the opacity limit being specified in 30 TAC 111.111(a)(1)(C) except during periods defined in 30 TAC 111.111(a)(1)(E).	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded at least once during each calendar quarter unless the emission unit venting to this stationary vent does not operate during the quarter. Records of all observations shall be maintained. Visible emissions observations shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations shall be made during times when the activities described in 30 TAC 111.111(a)(1)(E) are not occurring. 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 miles, 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. A certified opacity reader is not required for performing the visible emissions observations. If visible emissions are not present during the observation, the RO may certify that the source is in compliance. 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 an 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 by a certified opacity reader and the emissions from the source are determined by the certified opacity reader to have an opacity measurement within the allowable limit, then the RO may certify that the source is in compliance with the applicable opacity requirement. If the certified opacity reader determines that the opacity measurement exceeds the allowable limit then the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC 122.145(2).

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TURB	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Firing an alternate fuel for a period greater than or equal to 24 consecutive hours without conducting an observation, or if visible emissions are present and a Test Method 9 is not performed, or if opacity is greater than 15% for firing any fuel.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
CONDTK-1	N/A	40 CFR Part 60, Subpart Kb	Unit has a capacity less than or equal to 1,589.874 m3 and is used for petroleum or condensate stored, processed, or treated prior to custody transfer.
COOL TWR	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium-based water treatment chemicals.
DIESELULDG	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Unit is located in Lamar county, which is exempt from the requirements of this regulation.
FUELOILULG	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Unit is located in Lamar county, which is exempt from the requirements of this regulation.
GRP-CHEMTK	WT-TANK1, WT-TANK2, WT-TANK3, WT-TANK4	40 CFR Part 60, Subpart Kb	Unit is used to store volatile organic liquids. Unit was constructed, reconstructed or modified after July 23, 1984. Unit has a storage capacity of less than 75 cubic meters.
GRP-DSLTK	DIESELTK1, DIESELTK2	40 CFR Part 60, Subpart Kb	Unit is used to store volatile organic liquids. Unit was constructed, reconstructed or modified after July 23, 1984. Unit has a storage capacity of less than 75 cubic meters.
GRP-ENGINE	E-8, GEN-11	30 TAC Chapter 117, East Texas	Units are not classified as one of utility

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		
		Combustion	electric power boilers or stationary gas turbines.
GRP-ENGINE	E-8, GEN-11	40 CFR Part 60, Subpart IIII	Units were not constructed, reconstructed or modified after July 11, 2005.
GRP-HRSG	HRSG-1, HRSG-2	40 CFR Part 60, Subpart D	The maximum design heat input capacity is <250 MMBtu/hr
GRP-HRSG	HRSG-1, HRSG-2	40 CFR Part 60, Subpart Da	The maximum design heat input capacity is <250 MMBtu/hr
GRP-HRSG	HRSG-1, HRSG-2	40 CFR Part 60, Subpart Dc	The maximum design heat input capacity is >100 MMBtu/hr
GRP-LUBETK	LUBEOILTK1, LUBEOILTK2, LUBEOILTK3, USEDOILTK	40 CFR Part 60, Subpart Kb	Unit is used to store volatile organic liquids. Unit was constructed, reconstructed or modified after July 23, 1984. Unit has a storage capacity of less than 75 cubic meters.
GRP-OILRES	LO-RESVR1, LO-RESVR2, LO-RESVR3	40 CFR Part 60, Subpart Kb	Unit is used to store volatile organic liquids. Unit was constructed, reconstructed or modified after July 23, 1984. Unit has a storage capacity of less than 75 cubic meters.
GRP-TURB	TURB-1, TURB-2	40 CFR Part 60, Subpart KKKK	Units were not constructed, reconstructed or modified after February 18, 2005.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TURB	TURB-1, TURB-2	40 CFR Part 63, Subpart YYYY	Units are not located at a major source of HAP emissions.
LOADING	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Units located in Lamar County for loading and unloading of VOC other than gasoline (to or from transport vessels) are not covered by the requirements of this division.
MAINTPAINT	N/A	40 CFR Part 63, Subpart MMMM	Unit is not located at a site that is a major source of HAP's.
OILWATSEP	N/A	40 CFR Part 60, Subpart Kb	Unit contains volatile organic liquids. Unit was constructed, reconstructed or modified after July 23, 1984. Unit has a storage capacity of less than 75 cubic meters.
OILWATSEP	N/A	40 CFR Part 63, Subpart VV	Standard is not referenced by any other Subpart of 40 CFR 60, 40 CFR 61, or 40 CFR 63 that is applicable to the site.
PARTWASH	N/A	40 CFR Part 63, Subpart T	Cleaning unit does not use halogenated solvents.
TANK-9	N/A	40 CFR Part 60, Subpart Kb	Unit is used to store volatile organic liquids. Unit was constructed, reconstructed or modified after July 23, 1984. Unit has a storage capacity of less

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		
			than 75 cubic meters.
USEDOILLDG	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Unit is located in Lamar county, which is exempt from the requirements of this regulation.

New Source Review Authorization References

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX739M5	Issuance Date: 07/15/2013
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.: 18394	Issuance Date: 07/15/2013
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.122	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: 106.263	Version No./Date: 11/01/2001
Number: 106.265	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: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.471	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000
Number: 8	Version No./Date: 09/12/1989
Number: 51	Version No./Date: 09/12/1989
Number: 106	Version No./Date: 09/12/1989

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
CONDTK-1	CONDENSATE STORAGE TANK NO. 1	106.473/09/04/2000
COOL TWR	COOLING TOWER FAN EXHAUST	008/09/12/1989
DIESELTK1	DIESEL STORAGE TANK FOR 1750 KW ENGINE	051/09/12/1989
DIESELTK2	DIESEL STORAGE TANK FOR 750 KW ENGINE	051/09/12/1989
DIESELULDG	DIESEL UNLOADING TO ENGINE TANKS	051/09/12/1989
E-8	1750 KW GENERATOR ENGINE	18394, PSDTX739M5
FUELOILULG	FUEL OIL UNLOADING TO 35,000 BBL STORAGE TANK	18394, PSDTX739M5
GEN-11	750 KW GENERATOR ENGINE	18394, PSDTX739M5
HRSG-1	HEAT RECOVERY STEAM GENERATOR/DUCT BURNER	18394, PSDTX739M5
HRSG-2	HEAT RECOVERY STEAM GENERATOR/DUCT BURNER	18394, PSDTX739M5
LOADING	NATURAL GAS CONDENSATE LOADING	18394, PSDTX739M5
LO-RESVR1	COMBUSTION TURBINE LUBE OIL RESERVOIR 1	106/09/12/1989
LO-RESVR2	COMBUSTION TURBINE LUBE OIL RESERVOIR 2	106/09/12/1989
LO-RESVR3	STEAM TURBINE LUBE OIL RESERVOIR	106/09/12/1989
LUBEOILTK1	LUBE OIL STORAGE TANK 1	106.472/09/04/2000
LUBEOILTK2	LUBE OIL STORAGE TANK 2	106.472/09/04/2000
LUBEOILTK3	LUBE OIL STORAGE TANK 3	106.472/09/04/2000
MAINTPAINT	MAINTENANCE PAINTING	106.263/11/01/2001

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
OILWATSEP	OIL / WATER SEPARATOR	106.532/09/04/2000
PARTWASH	PARTS WASHER	106.454/11/01/2001
TANK-9	FUEL OIL TANK (35000BBL)	18394, PSDTX739M5
TURB-1	GE FRAME 7 GAS TURBINE (84MW)	18394, PSDTX739M5
TURB-2	GE FRAME 7 GAS TURBINE (84MW)	18394, PSDTX739M5
TURB-HRSG1	COMBUSTION TURBINE / HRSG DUCT BURNER TRAIN 1	18394, PSDTX739M5
TURB-HRSG2	COMBUSTION TURBINE / HRSG DUCT BURNER TRAIN 2	18394, PSDTX739M5
USEDOILLDG	USED OIL LOADING	106.472/09/04/2000
USEDOILTK	USED OIL STORAGE TANK	106.472/09/04/2000
WT-TANK1	SL 39 STORAGE TANK	106.371/09/04/2000
WT-TANK2	SWE 5003 STORAGE TANK	106.371/09/04/2000
WT-TANK3	SWE 6003 STORAGE TANK	106.371/09/04/2000
WT-TANK4	SWE 6030 STORAGE TANK	106.371/09/04/2000

Appendix A

Acronym List

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

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
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_2S ..... 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

Permit Number: 18394/PSDTX739M5				Issuance Date: 07/15/2013			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)	TPY(5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
Case I: Gas-Firing							
1 (6)	GE Frame 7 Gas Turbine (9)	VOC	7.3	32	14, 17	14, 17, 27	14
		NO_x	188.6	668	4, 14, 15, 17, 19	14, 15, 17, 19, 27, 28	14, 15, 29
		SO_2	16.8	59	4, 14, 17, 19	14, 17, 19, 27, 28	14, 29
		PM	5.0	22	3, 17	3, 17, 27	
		CO	23.3	92	14, 15, 17	14, 15, 17, 27, 28	14, 15
		H_2SO_4	2.1	0.5	7, 17	17	
		VOC (MSS)	70.0	--	17, 23, 24	17, 23, 24, 27	
		CO (MSS) (10)	250.0	--	17, 23, 24	17, 23, 24, 27, 28	
2	225 MMBtu/hr Duct Burner	VOC	1.1	4	17, 18	13, 17, 18	
		NO_x	22.5	99	4, 14, 17, 18	13, 14, 17, 18, 27, 28	14, 29
		SO_2	3.4	15	17, 18	13, 17, 18	
		PM	1.8	8	3, 17, 18	3, 13, 17, 18	
		CO	29.3	128	14, 17, 18	13, 14, 17, 18, 27	14
		H_2SO_4	2.1	0.5	17, 18	13, 17, 18	
3 (7)	GE Frame 7 Gas	VOC	7.3	32	14, 17	14, 17, 27	14

Permit Number: 18394/PSDTX739M5			Issuance Date: 07/15/2013				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)	TPY(5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Turbine (9)	NO_x	183.0	678	4, 14, 15, 17, 19	14, 15, 17, 19, 27, 28	14, 15, 29
		SO_2	16.8	59	4, 14, 17, 19	14, 17, 19, 27, 28	14, 29
		PM	5.0	22	3, 17	3, 17, 27	
		CO	23.4	92	14, 15, 17	14, 15, 17, 27, 28	14, 15
		H_2SO_4	2.1	0.5	7, 17	17	
		VOC (MSS)	70.0	--	17, 23, 24	17, 23, 24	
		CO (MSS) (10)	250.0	--	17, 23, 24	17, 23, 24, 27, 28	
4	225 MMBtu/hr Duct Burner	VOC	1.1	4	17, 18	13, 17, 18	
		NO_x	22.5	99	4, 14, 17, 18	13, 14, 17, 18, 27, 28	14, 29
		SO_2	3.4	15	17, 18	13, 17, 18	
		PM	1.8	8	3, 17, 18	3, 13, 17, 18	
		CO	29.3	128	14, 17, 18	13, 14, 17, 18, 27	14
		H_2SO_4	2.1	0.5	17, 18	13, 17, 18	
CASE II: OIL FIRING							
1 (6)	GE Frame 7 Gas Turbine (9)	VOC	7.3	7.9	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		NO_x	304.5	329	8, 10, 11, 14, 15, 19	11, 12, 14, 15, 19, 27, 28	11, 14, 15, 29
		SO_2	601.2	649	8, 10, 11, 14, 19	11, 12, 14, 19, 27, 28	11, 14, 29
		PM	10.0	11	3, 8, 10, 11, 14	3, 11, 12. 14, 27, 28	11, 14
		CO	23.5	25	8, 10, 11, 14, 15	11, 12, 14, 15, 27, 28	11, 14, 15
		H_2SO_4	34.4	37	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14

Permit Number: 18394/PSDTX739M5			Issuance Date: 07/15/2013				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)	TPY(5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		Be	0.006	0.006	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		As	0.053	0.057	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		Pb	0.030	0.032	8, 10	12, 28	
		Hg	0.021	0.022	8, 10	12, 28	
		F	0.007	0.008	8, 10	12, 28	
		VOC (MSS)	70.0	--	8, 10, 23, 24	12, 23, 24, 27, 28	
		CO (MSS) (10)	250.0	--	8, 10, 23, 24	12, 23, 24, 27, 28	
3 (7)	GE Frame 7 Gas Turbine (9)	VOC	13.5	15	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		NO_x	295.0	319	8, 10, 11, 14, 15, 19	11, 12, 14, 15, 19, 27, 28	11, 14, 15, 29
		SO_2	601.2	651	8, 10, 11, 14, 19	11, 12, 14, 19, 27, 28	11, 14, 29
		PM	17.0	18	3, 8, 10, 11, 14	3, 11, 12, 14, 27, 28	11, 14
		CO	24.0	26	8, 10, 11, 14, 15	11, 12, 14, 15, 27, 28	11, 14, 15
		H_2SO_4	34.4	37	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		Be	0.006	0.006	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		As	0.053	0.057	8, 10, 11, 14	11, 12, 14, 27, 28	11, 14
		Pb	0.030	0.032	8, 10	12, 28	
		Hg	0.021	0.022	8, 10	12, 28	
		F	0.007	0.008	8, 10	12, 28	
		VOC (MSS)	70.0	--	8, 23, 24	23, 24, 27, 28	
		CO (MSS) (10)	250.0	--	8, 23, 24	23, 24, 27, 28	

Permit Number: 18394/PSDTX739M5			Issuance Date: 07/15/2013				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)	TPY(5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
Other Sources							
8	1,750 KW Emergency Diesel Generator	VOC	1.2	<1	4	12, 27, 28	
		NO_x	48.5	21	4	12, 27, 28	
		SO_2	7.5	3	4	12, 27, 28	
		PM	0.5	<1	4	12, 27, 28	
		CO	9.7	4	4	12, 27, 28	
9 (8)	Fuel Oil Tank (35,000-bbl capacity)	VOC	1.1	5		27	
FUG EM	Fugitive Emissions from Maintenance Activities	VOC	1.35	5.89	23, 24	23, 24, 27	
		H_2S	<0.01	<0.01	23, 24	23, 24, 27	
LOADING	Natural Gas Condensate Truck Loading	VOC	0.96	<0.01		27	
		H_2S	0.01	<0.01		27	
CONDTK-1	Condensate Storage Tank No. 1	VOC	0.01	0.02		27	
		H_2S	<0.01	<0.01		27	

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
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide
H_2SO_4 - sulfuric acid
Be - beryllium
As - arsenic
Pb - lead
Hg - mercury
F - fluorine

(4) Maximum hourly emissions are based on peak load and 10 ºF ambient temperature. Annual oil-fired emissions are also calculated on these conditions.
(5) Annual emissions are based on base load and 59 ºF ambient temperature.
(6) Emissions from EPN 1 may be vented through heat recovery steam generator bypass stacks, EPN 2.
(7) Emissions from EPN 3 may be vented through heat recovery steam generator bypass stacks, EPN 4.
(8) Emissions based on 110 tank turnovers per year.
(9) The annual emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities. The hourly emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, except for VOC and CO.
(10) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.

* Compliance with annual emission limits is based on a rolling 365-day year rather than the calendar year.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A Permit Is Hereby Issued To
Paris Generation, L.P.
Authorizing the Construction and Operation of
Paris Energy Center
Located at **Paris, Lamar County, Texas**
Latitude 33° 41′ 49″ Longitude 95° 33′ 25″

Permits: 18394 and PSDTX739M5

Amendment Date : July 15, 2013

Renewal Date: May 22, 2022

For the Commission

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

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC 116.115(b)(2)(F)]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.

Special Conditions

Permit Numbers 18394 and PSDTX739M5

1. This permit covers only those sources of emissions listed in the attached table entitled AEmission Sources - Maximum Allowable Emission Rates@ (MAERT), and those sources are limited to the emission limits and other conditions specified in that attached table.

2. The following facilities are authorized by permits-by-rule under Title 30 Texas Administrative Code Chapter 106 (30 TAC Chapter 106). **(02/12)**

Facility	Authorization
Comfort Heating Systems	§ 106.102
Bench scale Laboratory Equipment	§ 106.122
Soldering, Brazing, and Welding Equipment	§ 106.227
Routine Maintenance, Startup, and Shutdown of Facilities and Temporary Maintenance Facilities	§ 106.263
Hand-held and Manually Operated Machines	§ 106.265
Natural Gas Pipeline Purging and Maintenance	§ 106.355
Outdoor Abrasive Blasting	§ 106.452
Solvent Cleaning, Parts Degreaser	§ 106.454
Storage Tanks	§ 106.472
Portable and Emergency Engines	§ 106.511
Water and Waste Water Treatment Equipment	§ 106.532
Diesel loading or unloading equipment for tank trucks or drums; storage containers, reservoirs, tanks; and change of service of material loaded, or stored	Standard Exemption 051

3. The opacity of emissions from the gas turbines shall not exceed five percent averaged over a six-minute period from each stack, except during maintenance, startup, and shutdown (MSS) activities. During MSS activities, the opacity shall not exceed 15 percent. Each determination shall be made by first observing for visible emissions while each facility is in operation. Observations shall be made at least 15 feet and no more than 0.25 miles from the emission point. If visible emissions are observed from an emission point, then the opacity shall be determined and documented within 24 hours for that emission point using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. Observations shall be performed and recorded quarterly. If the opacity exceeds five percent during normal operations or 15 percent during MSS activities, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation. **(02/12)**

4. The facilities covered by this permit shall comply with the following: **(02/12)**

   A. The turbines and duct burners shall comply with all applicable requirements in 40 CFR Part 60 Subpart A, Subpart Db on Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, and Subpart GG on Standards of Performance for New Stationary Sources promulgated for Gas Turbines.

   B. The emergency generators shall comply with Title 40 Code of Federal Regulations Part 63 Subpart A, and Subpart ZZZZ for National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

   If any provision of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit condition shall govern and be the standard by which compliance shall be demonstrated.

Emission Standards and Fuel Specifications

5. The concentration of nitrogen oxides (NO_x) in the stack gases from each turbine shall not exceed a one-hour rolling average concentration of 42 parts per million by volume (ppmv) while firing natural gas and a concentration of 65 ppmv while firing no. 2 fuel oil. These emission limitations do not apply during planned MSS activities. The NO_x concentrations measured by the continuous emission monitoring systems (CEMS) shall be corrected to 15 percent oxygen (O_2).

6. Emissions generated from natural gas firing in the duct burners shall not exceed 0.10 pounds NO_x per million British thermal units of heat input.

7. Fuels fired in the gas turbines are limited to the following: **(06/11)**

   A. Pipeline-quality natural gas fired in the gas turbines shall contain a maximum of 0.25 grains hydrogen sulfide and 5 grains total sulfur per 100 dry standard cubic feet (dscf).

   B. No. 2 fuel oil fired in the gas turbines shall contain no more than 0.50 percent by weight sulfur.

C. The diesel fuel fired in the emergency diesel generator shall contain no more than 0.5 percent by weight sulfur. **(06/11)**

D. Use of any other fuels will require modification of this permit.

8. The fuel oil shall be refinery grade, first-run oil and shall not consist of a blend containing waste oil or solvents. Use of any other fuel will require modification of this permit. Upon request, the holder of this permit shall provide a sample of the fuel oil utilized in the facility or shall allow any air pollution control agency having jurisdiction to obtain a sample for analysis.

9. Fuel fired in the duct burners is limited to pipeline-quality natural gas containing a maximum of 0.25 grains hydrogen sulfide and 5 grains total sulfur per 100 dscf. Use of any other fuel will require modification of this permit.

10. Sampling required in Special Condition No. 14 to establish the actual pattern and quantity of air contaminants emitted from the gas turbines when firing fuel oil may be waived by the Texas Commission on Environmental Quality (TCEQ) Executive Director providing that the gas turbines authorized by this permit have not fired on fuel oil.

11. Within 30 days of the commencement of burning fuel oil in the gas turbines in this facility, the holder of this permit shall submit a schedule for testing to the TCEQ Executive Director and the TCEQ Tyler Regional Office. Air contaminants to be tested for shall be those specified in Special Condition No. 14B(2). The testing shall occur within 60 days after achieving the normal production rate at which the turbines will be operated while burning fuel oil, but not later than 180 days after initial operation of the turbines on fuel oil.

12. The emergency diesel generator identified as emission point number (EPN) 8 is limited to emergency operation only, not to exceed 850 hours per year. Fuel oil firing in the gas turbines is limited to a maximum of 2,160 hours per year. Enforcement of these limitations shall be based on a 12-month rolling average computed at the end of each month. **(06/11)**

13. Total hourly natural gas usage by each duct burner shall not exceed 221,000 cubic feet per hour.

Initial Determination of Compliance

Sampling and testing to determine the initial compliance was completed in February 1990. **(02/12)**

14. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from at least one of the two turbines. The selection of the turbine to be tested is at the discretion of the TCEQ; if the turbine which is tested exceeds any emission limit of this permit, then both turbines shall be tested for an exceedance of such emission limit(s). Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with Environmental Protection Agency (EPA) Reference Method 5 for particulate matter (PM), Reference Method 8 for sulfuric acid (H_2SO_4) mist, Reference Method 9 for opacity [consisting of 30 six-minute readings as provided in 40 CFR ' 60.11(b)], Reference Method 10 for the concentration of carbon monoxide (CO), Reference Method 20 for the concentrations of NO_x and O_2, Reference Method 25 for volatile organic compounds (VOC), Reference Method 104 for beryllium (Be) and Reference Method 108 for arsenic (As). Sampling by means of one of the test methods specified in 40 CFR ' 60.335(b) shall be conducted to determine compliance with the sulfur dioxide (SO_2) maximum allowable emission rates of Special Condition No. 1 and the fuel sulfur limits of Special Condition Nos. 5 and 7. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense.

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

       The notice shall include:

       (1) Date for pretest meeting.
       (2) Date sampling will occur.
       (3) Name of firm conducting sampling.
       (4) Type of sampling equipment to be used.
       (5) Methods or procedures to be used in sampling.

       The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording the 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 the TCEQ or the EPA sampling procedures shall be made available to the TCEQ at or prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in B of this provision shall be submitted to the TCEQ Office of Air, Air Permits Division. Test

waivers and alternate and equivalent procedure proposals for New Source Performance Standards testing which must have the EPA approval shall be submitted to the TCEQ Regional Director.

B. Air emissions from at least one turbine to be tested for at full load include (but are not limited to) the following:

(1) NO_x, CO, O_2, VOC, and SO_2 while firing natural gas only.

(2) NO_x, CO, O_2, VOC, PM, Be, As, H_2SO_4 mist, SO_2 and opacity while firing No. 2 fuel oil.

For natural gas firing, fuel sulfur sampling may be performed in lieu of stack sampling for SO_2.

C. For each type of turbine fuel fired, CO and NO_x from the turbine alone shall be sampled concurrently at four turbine loads, including the minimum point in the normal operating range and the peak load for the atmospheric conditions occurring during the test. The NO_x concentrations shall be corrected according to Special Condition No. 5.

D. Duct burner emissions shall be determined as follows: NO_x, CO, and O_2 shall be determined upstream and downstream of the duct burner from at least one cogeneration train while the duct burner is firing at the maximum feasible rate and the turbine is operating at the maximum firing rate for the ambient conditions occurring during the test.

E. Sampling shall occur within 60 days after achieving the maximum production rate at which the turbines will be operated, but not later than 180 days after initial startup of the turbines.

F. Three copies of the sampling report shall be distributed within 60 days of completion of testing as follows:

One copy to the TCEQ Tyler Regional Office.
One copy to the TCEQ Office of Air, Air Permits Division.
One copy to the Air Enforcement Branch of EPA in Dallas.

Continuous Determination of Compliance

15. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NO_x, CO, and diluent gases (O_2 or carbon dioxide [CO_2]), from each Exhaust Stack (EPNs 1 and 3).

    A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or an acceptable alternative. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division in Austin for requirements to be met. The CEMS shall comply with the following requirements:

    The holder of this permit shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1, or an acceptable alternative. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3, and any CEMS downtime and all cylinder gas audit exceedances of □15 percent accuracy shall be reported semiannually to the TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Regional Director.

    B. 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. At least two valid data points shall be generated during the hourly period in which zero and span is performed.

    C. 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 designated representative upon request. The hourly average data from the CEMS may be used to determine compliance with the conditions of this permit. Hourly average concentrations from EPNs 1 and 3 shall be summed to tons per year each month and used to determine compliance with the emission limits of this permit.

    D. The TCEQ Regional Office shall be notified at least 21 days prior to any required relative accuracy test audit in order to provide them the opportunity to observe the testing.

    E. If applicable, the CEMS for the turbines/duct burner stack may 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. The requirements of 40 CFR Part 75, Appendix A and B, respectively, are deemed an acceptable alternative to the performance specifications and quality assurance requirements of 40 CFR Part 60 for the NO_x and O_2 CEMS.

16. If any emission monitor fails to meet specified performance, it shall be repaired or replaced as soon as reasonably possible. **(02/12)**

17. 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 units maximum flow. **(02/12)**

18. The holder of this permit shall either measure, or develop a program to calculate, the total mass flow rate through the heat recovery steam generator stacks to ensure continuous compliance with the emission limitations specified in the MAERT. The permit holder shall calculate hourly mass emissions in pounds per hour using the measured or calculated exhaust flow rate and the measured concentrations of NO_x and CO from the CEMS required in Special Condition No. 15. The hourly calculated values will be cumulatively added during each hour of the month and stored on a computer hard drive and on computer disk or other TCEQ-accepted computer media in ASCI II flat file or comma delimited text format. Records of this information shall also be available in a form suitable for inspection. **(02/12)**

19. The holder of this permit shall comply with the turbine fuel nitrogen and sulfur monitoring requirements of 40 CFR ' 60.334(b). Any request for a custom monitoring schedule shall be made in writing and directed to the Executive Director of the TCEQ, although authority for granting such custom schedules remains with the EPA. The data obtained from the sulfur monitoring required herein shall be used to demonstrate continuous compliance with the sulfur limitation of Special Condition Nos. 7 and 9.

Planned Maintenance, Startup, and Shutdown (MSS)

20. This permit authorizes the emissions from the planned MSS activities listed in Attachment A, Attachment B, and the MAERT attached to this permit. Attachment A identifies the inherently low emitting (ILE) planned maintenance activities that this permit authorizes to be performed. Attachment B identifies the planned maintenance activities that are non-ILE

planned maintenance activities that this permit authorizes to be performed. **(02/12)**

21. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility. **(02/12)**

22. Emissions during planned startup and shutdown activities for the gas-fired turbines will be minimized by limiting the duration of operation in planned startup and shutdown modes as follows: **(02/12)**

    A. A planned startup of the electric generating facilities (EGFs) with EPNs 1 and 3 is defined as the period that begins when fuel flow to the unit is established and ends when the steam injection has been initiated and stabilized. A planned cold startup (a startup after the gas turbine has been down for a period of 24 hours or more) is limited to 8 hours per event. A planned warm startup (a startup that is not a cold startup) is limited to 3 hours per event.

    B. A planned shutdown of the EGFs with EPNs 1 and 3 is defined as the period that begins when the fuel flow to the EGFs is reduced and the output falls to below 30 megawatts and ends when the unit is no longer receiving fuel. A planned shutdown for each EGF is limited to 2 hours per event.

    C. Emissions from combustion turbine optimization activities as defined in Attachment B, shall be subject to the hourly emission limits for MSS activities from gas turbines as listed on the MAERT.

23. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows: **(02/12)**

    A. For each pollutant emitted during ILE planned maintenance activities, the permit holder shall annually confirm the continued validity of the estimated potential to emit represented in the permit application for all ILE planned maintenance activities. The total emissions from all ILE planned maintenance activities (See Attachment A) shall be considered to be no more than the estimated potential to emit for those activities that are represented in the permit application.

    B. For each pollutant emitted during non-ILE planned maintenance activities (See Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 24A, the permit holder shall compare the pollutant's short-term

(hourly) emissions during planned maintenance activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

C. For each pollutant emitted during non-ILE planned maintenance activities (See Attachment B) whose emissions occur through a stack, but are not measured using CEMS as per Special Condition No. 24A, the permit holder shall do the following for each calendar month.

(1) Determine the total emissions of the pollutant through the stack that result from such non-ILE planned maintenance activities in accordance with Special Condition No. 24B.

(2) Once monthly emissions have been determined in accordance with Special Condition No. 23C(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall add the rolling 12-month MSS emissions for the pollutant to the 12-month emissions (same 12 month period) that occurred and were emitted through the same stack during other operations. This total annual emission rate for the stack shall be compared to the applicable annual emission limit specified in the MAERT.

24. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 23 as follows: **(02/12)**

A. For each pollutant whose emissions during normal facility operations are measured with a CEMS that has been certified to measure the pollutant's emissions over the entire range of a planned MSS activity, the permit holder shall measure the emissions of the pollutant during the planned MSS activity using the CEMS.

B. For each pollutant not described in Special Condition No. 23A, the permit holder shall calculate the pollutant's emissions during all occurrences of each type of planned MSS activity for each calendar month using the frequency of the planned MSS activity identified in work orders or equivalent records and the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application. In lieu of using the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application to calculate such emissions, the permit holder may determine the emissions of the pollutant during the planned MSS activity using an appropriate method, including but not limited to, any of the methods described in paragraphs 1 through 3 below, provided that the permit holder maintains appropriate records supporting such determination:

(1) Use of emission factor(s), facility-specific parameter(s), and/or engineering knowledge of the facility's operations.

(2) Use of emissions data measured (during emissions testing) during the same type of planned MSS activity occurring at or on a similar facility, and correlation of that data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

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

25. 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 180 days after issuance of the permit amendment that added such conditions. **(02/12)**

26. The following facilities at the site are de minimis facilities per 30 TAC § 116.119. **(02/12)**

A. Application of lubricants (including greases and oils) without aerosol propellants for maintaining equipment and other facilities.

B. Manual application of cleaning and/or stripping solutions of coatings using brushes, cloth pads, sponges, droppers, tube dispensing equipment, or spray bottles and pump-up sprayers without aerosol propellants.

C. Application of aqueous detergents, surfactants, and other cleaning solutions containing no more than one percent of any organic compound by weight or containing no more than five percent of any organic compound with a vapor pressure less than 0.002 pounds per square inch absolute.

D. Blast cleaning equipment using only water as the cleaning media.

E. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analyses (excluding pilot plants).

F. Air conditioning and ventilation systems maintenance and repair.

G. Any other de minimis activity or facility listed under 30 TAC § 116.119.

Recordkeeping and Reporting Requirements

27. 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. **(02/12)**

    A. A copy of this permit.

    B. Permit application dated January 5, 2011, and subsequent representations submitted to the TCEQ.

    C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 14 to demonstrate initial compliance.

    D. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.

28. 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: **(02/12)**

    A. The NO_x, CO, and diluent gases, O_2 or CO_2, CEMS emissions data to demonstrate compliance with the emission rates listed in the MAERT.

    B. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems.

    C. Records of the hours of operation of the emergency diesel generator and fuel-oil firing in the turbines.

    D. Records of fuel sampling conducted pursuant to 40 CFR Part 60, Subpart GG.

    E. Records to identify the times when emissions data have been excluded from the calculation of average concentration because of startup and shutdown pursuant along with the justification for excluding data.

    F. Records to demonstrate compliance with Special Condition Nos. 21 through 23.

G. Records of all fuel oil additions shall be made and maintained and shall indicate the date of delivery, the quantity stored and the grade of oil. All oil stored must meet the requirements of Special Conditions No. 7B, 7C, and 8.

29. The holder of this permit shall submit to the TCEQ Tyler Regional Office and the Air Enforcement Branch of the EPA in Dallas quarterly and semiannual 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. **(02/12)**

Date: February 7, 2012

Attachment A
Permit Numbers 18394 and PSDTX739M5
Inherently Low Emitting (ILE) Planned Maintenance Activities

Planned Maintenance Activity	Emissions				
	VOC	NO_X	CO	PM	SO_2
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS[1]	X				

Notes:

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

Date: February 7, 2012

Attachment B
Permit Numbers 18394 and PSDTX739M5
Non-ILE Planned Maintenance Activities

Planned Maintenance Activity	Emissions				
	VOC	NO_X	CO	PM	SO_2
Combustion turbine optimization[1]	X	X	X	X	X
Gaseous fuel venting[2]	X				

Notes:

1. Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), (ii) balancing, and (iii) tuning activities that occur during seasonal tuning or after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances.
2. Includes, but is not limited to, venting prior to pipeline pigging, and meter proving.

Date: February 7, 2012

Emission Sources – Maximum Allowable Emission Rates

Permit Number 18394 and PSDTX739M5

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 (4)	TPY (5)
Case I: Gas-Firing				
1 (6)	GE Frame 7 Gas Turbine (9)	VOC	7.3	32
		NO_X	188.6	668
		SO_2	16.8	59
		PM	5.0	22
		CO	23.3	92
		H_2SO_4	2.1	0.5
		VOC (MSS)	70.0	--
		CO (MSS) (10)	250.0	--
2	225 MMBtu/hr Duct Burner	VOC	1.1	4
		NO_X	22.5	99
		SO_2	3.4	15
		PM	1.8	8
		CO	29.3	128
		H_2SO_4	2.1	0.5

Emission Sources – Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lbs/hour (4)	TPY (5)
3 (7)	GE Frame 7 Gas Turbine (9)	VOC	7.3	32
		NO_X	183.0	678
		SO_2	16.8	59
		PM	5.0	22
		CO	23.4	92
		H_2SO_4	2.1	0.5
		VOC (MSS)	70.0	--
		CO (MSS) (10)	250.0	--
4	225 MMBtu/hr Duct Burner	VOC	1.1	4
		NO_X	22.5	99
		SO_2	3.4	15
		PM	1.8	8
		CO	29.3	128
		H_2SO_4	2.1	0.5

Emission Sources – Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lbs/hour (4)	TPY (5)
Case II: Oil- Firing				
1 (6)	GE Frame 7 Gas Turbine (9)	VOC	7.3	7.9
		NO_X	304.5	329
		SO_2	601.2	649
		PM	10.0	11
		CO	23.5	25
		H_2SO_4	34.4	37
		Be	0.006	0.006
		As	0.053	0.057
		Pb	0.030	0.032
		Hg	0.021	0.022
		F	0.007	0.008
		VOC (MSS)	70.0	--
		CO (MSS) (10)	250.0	--
3 (7)	GE Frame 7 Gas Turbine (9)	VOC	13.5	15
		NO_X	295.0	319
		SO_2	601.2	651

Emission Sources – Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lbs/hour (4)	TPY (5)
3 (7)	GE Frame 7 Gas Turbine (9)	PM	17.0	18
		CO	24.0	26
		H_2SO_4	34.4	37
		Be	0.006	0.006
		As	0.053	0.057
		Pb	0.030	0.032
		Hg	0.021	0.022
		F	0.007	0.008
		VOC (MSS)	70.0	--
		CO (MSS) (10)	250.0	--
Other Sources				
8	1,750 KW Emergency Diesel Generator	VOC	1.2	<1
		NO_X	48.5	21
		SO_2	7.5	3
		PM	0.5	<1
		CO	9.7	4
9 (8)	Fuel Oil Tank (35,000-bbl capacity)	VOC	1.1	5
FUG EM	Fugitive Emissions from Maintenance Activities	VOC	1.35	5.89
		H_2S	<0.01	<0.01
LOADING	Natural Gas Condensate Truck Loading	VOC	0.96	<0.01
		H_2S	0.01	<0.01
CONDTK-1	Condensate Storage Tank No. 1	VOC	0.01	0.02
		H_2S	<0.01	<0.01

Emission Sources – Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2SO_4 - sulfuric acid
Be - beryllium
As - arsenic
Pb - lead
Hg - mercury
F - fluorine
(4) Maximum hourly emissions are based on peak load and 10 °F ambient temperature. Annual oil-fired emissions are also calculated on these conditions.
(5) Annual emissions are based on base load and 59 °F ambient temperature.
(6) Emissions from EPN 1 may be vented through heat recovery steam generator bypass stacks, EPN 2.
(7) Emissions from EPN 3 may be vented through heat recovery steam generator bypass stacks, EPN 4.
(8) Emissions based on 110 tank turnovers per year.
(9) The annual emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities. The hourly emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, except for VOC and CO.
(10) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.

* Compliance with annual emission limits is based on a rolling 365-day year rather than the calendar year.

Date: July 15, 2013