

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Lower Colorado River Authority
AUTHORIZING THE OPERATION OF
Sam Seymour (Fayette Power Project)
Electric Services
LOCATED AT

Fayette County, Texas

Latitude 29° 55' 30" Longitude 96° 45' 15"

Regulated Entity Number: RN100226844

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: O21 Issuance Date: _____

For the Commission

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General Terms and Conditions

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

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

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

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

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

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

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

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
 - F. Emission units subject to 40 CFR Part 63, Subpart UUUUU as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1300 which incorporates the 40 CFR Part 63 Subpart by reference.
 - G. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU and 30 TAC Chapter 113, Subchapter C, § 113.1300, with regard to the specific pollutant, Mercury (Hg), for the following units FPP-1, FPP-2 and 3-1B by April 16, 2016. This is a one year extension of the compliance date granted in accordance with § 63.6(i)(4)(i)(A). The permit holder shall comply with the emission control installations, compliance schedule, and notification requirements contained in the Alternative Requirements attachment of this permit. The permit holder shall maintain the original documentation from the TCEQ Executive Director granting the compliance extension. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

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

“Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

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

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
 - (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
 - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is

performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

- C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
 - (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within

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

(4) Compliance Certification:

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

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

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

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

F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

- (iii) Title 30 TAC § 111.209 (relating to Exception for Disposal Fires)
 - (iv) Title 30 TAC § 111.211 (relating to Exception for Prescribed Burn)
 - (v) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
 - (vi) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
- A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 125,000 gallons of gasoline in any calendar month after January 1, 1999, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
 - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
 - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
 - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
 - (iv) Title 30 TAC § 115.226(2)(C) (relating to Recordkeeping Requirements)
 - B. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
 - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
 - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
 - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
5. 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)
6. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

7. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
- A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
 - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
 - C. 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 “CAM 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 in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
 - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.

- E. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
- 8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

- 9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
- 10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
- 11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests,

capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. 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).

12. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
 - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
 - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
 - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.
 - D. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

Compliance Requirements

13. 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.
14. 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.
15. 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)

Protection of Stratospheric Ozone

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

Temporary Fuel Shortages (30 TAC § 112.15)

17. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
 - A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
 - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)
 - C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
 - D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

18. 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)

19. 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

20. For units FPP-1, FPP-2, and 3-1B (identified in the Certificate of Representation as units 1, 2, and 3), located at the affected source identified by ORIS/Facility code 6179, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.
 - A. General Requirements
 - (i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public

comment process which may be separate from, or combined with the FOP.

- (ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.
- (iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.
- (iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.
- (v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

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

C. SO₂ emissions requirements

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

D. NO_x Emission Requirements

- (i) The owners and operators of the source and each affected unit at the source shall comply with the 0.40 lb/mmBtu emission limitation for NO_x under 40 CFR Part 76.

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

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

G. Liability

- (i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).
- (ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.
- (iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.
- (iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.
- (v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.
- (vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.
- (vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

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

Clean Air Interstate Rule Permit Requirements

21. For units FPP-1, FPP-2, and 3-1B (identified in the Certificate of Representation as units 1, 2, and 3), located at the site identified by ORIS/Facility code 6179, the designated representative and the owner or operator, as applicable, shall comply with the following Clean Air Interstate Rule (CAIR) Permit requirements. Until approval of the Texas CAIR SIP by EPA, the permit holder shall comply with the equivalent requirements of 40 CFR Part 97 in place of the referenced 40 CFR Part 96 requirements in the Texas CAIR permit and 30 TAC Chapter 122 requirements.

A. General Requirements

- (i) Under 30 TAC § 122.420(b) and 40 CFR §§ 96.120(b) and 96.220(b) the CAIR Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP).

- (ii) The owners and operators of the CAIR NO_x and the CAIR SO₂ source shall operate the source and the unit in compliance with the requirements of this CAIR permit and all other applicable State and federal requirements.
- (iii) The owners and operators of the CAIR NO_x and the CAIR SO₂ source shall comply with the General Terms and Conditions of the FOP that incorporates this CAIR Permit.
- (iv) The term for the initial CAIR permit shall commence with the issuance of the revision containing the CAIR permit and shall be the remaining term for the FOP that incorporates the CAIR permit. Renewal of the initial CAIR permit shall coincide with the renewal of the FOP that incorporates the CAIR permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring and Reporting Requirements

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

C. NO_x emissions requirements

- (i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR § 96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period

from all CAIR NO_x units at the source, as determined in accordance with the requirements of 40 CFR Part 96, Subpart HH.

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

D. NO_x excess emissions requirement

- (i) If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR § 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.
- (ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable State law.

E. SO₂ emissions requirements

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

F. SO₂ excess emissions requirements

- (i) If a CAIR SO₂ source emits sulfur dioxides during any control period in excess of the CAIR SO₂ emissions limitation, the owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under 40 CFR § 96.254(d)(1) and pay any fine, penalty, or

assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.

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

G. Recordkeeping and Reporting Requirements

- (i) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source and the CAIR SO₂ source and each CAIR SO₂ unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.
 - (1) The certificate of representation under 40 CFR §§ 96.113 and 96.213 for the CAIR NO_x designated representative for the source and each CAIR NO_x unit and the CAIR SO₂ designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR §§ 96.113 and 96.213 changing the CAIR designated representative.
 - (2) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH and Subpart HHH, provided that to the extent that these subparts provide for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program and CAIR SO₂ Trading Program or relied upon for compliance determinations.
 - (4) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program and CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program and CAIR SO₂ Trading Program.
- (ii) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source and a CAIR SO₂ source and each CAIR

SO₂ unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program and the CAIR SO₂ Trading Program including those under 40 CFR Part 96, Subpart HH and Subpart HHH.

- H. The CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program contained in 40 CFR Part 96, Subparts AA through II.
- I. The CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program contained in 40 CFR Part 96, Subparts AAA through III.
- J. Any provision of the CAIR NO_x Annual Trading Program and the CAIR SO₂ Trading Program that applies to a CAIR NO_x source or CAIR SO₂ source or the CAIR designated representative of a CAIR NO_x source or CAIR SO₂ source shall also apply to the owners and operators of such source and the units at the source.
- K. Any provision of the CAIR NO_x Annual Trading Program and the CAIR SO₂ Trading Program that applies to a CAIR NO_x unit or CAIR SO₂ unit or the CAIR designated representative of a CAIR NO_x unit or CAIR SO₂ unit shall also apply to the owners and operators of such unit.
- L. No provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR §§ 96.105 or 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit or a CAIR SO₂ source or CAIR SO₂ unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 27

Applicable Requirements Summary 32

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
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	R1153-001	30 TAC Chapter 111, Nonagricultural Processes	Source Type = Oil or gas fuel-fired steam generator with a heat input greater than 2,500 million Btu per hour.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	R1153-002	30 TAC Chapter 111, Nonagricultural Processes	Source Type = Solid fossil fuel-fired steam generator.
3-1B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-001	30 TAC Chapter 111, Visible Emissions	Vent Source = The source of the vent is a steam generator fired by solid fossil fuel., Annual ACF = Annual average capacity factor is greater than 30%, as reported to the Federal Power Commission for calendar year 1974, Heat Input = Heat Input is greater than 250 MMBtu/hr.
3-1B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-002	30 TAC Chapter 111, Visible Emissions	Vent Source = The source of the vent is a steam generator that burns oil or a mixture of oil and gas., SIP Violation = The source is able to comply with applicable PM and opacity regulations without the use of PM collection equipment and has not been found to be in violation of any visible emission standard in a State Implementation Plan.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	REG112-001	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Solid fossil fuel., Heat Input = Design heat input is greater than 1500 MMBtu/hr.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	REG112-002	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Liquid fuel., Heat Input = Design heat input is greater than 250 MMBtu/hr.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	REG117-001	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	60Da-001	40 CFR Part 60, Subpart Da	No changing attributes.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	60Da-002	40 CFR Part 60, Subpart Da	No changing attributes.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	60Da-003	40 CFR Part 60, Subpart Da	No changing attributes.
3-1B	Boilers/Steam Generators/Steam Generating Units	N/A	63UUUUU-1	40 CFR Part 63, Subpart UUUUU	No changing attributes.
GRP-1&2COA	Coal Preparation Plants	COAL-1, COAL-10, COAL-4, COAL-9, PILE- 1&2	60Y-001	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	R1153-001	30 TAC Chapter 111, Nonagricultural Processes	Source Type = Oil or gas fuel-fired steam generator with a heat input greater than 2,500 million Btu per hour.
GRP-BLR1&2	Boilers/Steam Generators/Steam	FPP-1, FPP-2	R1153-002	30 TAC Chapter 111, Nonagricultural	Source Type = Solid fossil fuel-fired steam generator.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	Generating Units			Processes	
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	REG112-001	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Solid fossil fuel., Heat Input = Design heat input is greater than 1500 MMBtu/hr.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	REG112-002	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Liquid fuel., Heat Input = Design heat input is greater than 250 MMBtu/hr.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	REG117-001	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	60D-001	40 CFR Part 60, Subpart D	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	60D-002	40 CFR Part 60, Subpart D	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	60D-003	40 CFR Part 60, Subpart D	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	60D-004	40 CFR Part 60, Subpart D	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	60D-005	40 CFR Part 60, Subpart D	No changing attributes.
GRP-BLR1&2	Boilers/Steam	FPP-1, FPP-2	60D-006	40 CFR Part 60,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	Generators/Steam Generating Units			Subpart D	
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	60D-007	40 CFR Part 60, Subpart D	No changing attributes.
GRP-BLR1&2	Boilers/Steam Generators/Steam Generating Units	FPP-1, FPP-2	63UUUUU	40 CFR Part 63, Subpart UUUUU	No changing attributes.
GRP-COAL-3	Coal Preparation Plants	3-13F, 3-14F, 3-15F, 3- 17F, 3-18F, 3-19F, 3-2F, 3-3F/3-12F, 3-4F, 3-8F, 3-9F, PILE 3D, PILE-3A	60Y-001	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-COAL-4	Coal Preparation Plants	COAL-2, COAL-3, COAL-5, COAL-6, COAL-7, COAL-8	60Y-001	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-COAL-5	Coal Preparation Plants	3-16F, 3-5F, 3-6F, 3-7F	60Y-001	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-STK1&2	Emission Points/Stationary Vents/Process Vents	FPP-1N, FPP-2N	R1111-001	30 TAC Chapter 111, Visible Emissions	Vent Source = The source of the vent is a steam generator fired by solid fossil fuel., Annual ACF = Annual average capacity factor is greater than 30%, as reported to the Federal Power Commission for calendar year 1974, Heat Input = Heat Input is greater than 250 MMBtu/hr.
GRP-STK1&2	Emission Points/Stationary	FPP-1N, FPP-2N	R1111-002	30 TAC Chapter 111, Visible Emissions	Vent Source = The source of the vent is a steam generator that burns oil or

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	Vents/Process Vents				a mixture of oil and gas., SIP Violation = The source is able to comply with applicable PM and opacity regulations without the use of PM collection equipment and has not been found to be in violation of any visible emission standard in a State Implementation Plan.
ORANPUMP 07404	SRIC Engines	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	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)
3-1B	EU	R1153-001	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.153(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any oil or gas fuel-fired steam generator with a heat input greater than 2,500 million Btu per hour to exceed 0.1 pound of total suspended particulate per million Btu input averaged over a two-hour period.	** See Periodic Monitoring Summary	None	None
3-1B	EU	R1153-002	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.153(b)	No person may cause, suffer, allow, or permit emissions of particulate matter from any solid fossil fuel-fired steam generator to exceed 0.3 pound of total suspended particulate per million Btu heat input, averaged over a two-hour period.	** See Periodic Monitoring Summary	None	None
3-1B	EP	R1111-001	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F) § 111.111(a)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
3-1B	EP	R1111-002	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
3-1B	EU	REG112-001	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.8(a)	Except as in §112.8(b), no person may cause, suffer, allow, or permit emissions of SO ₂ from	§ 112.2(a) § 112.8(d) ** See CAM	§ 112.2(c)	§ 112.2(b)

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)
						solid fossil fuel-fired steam generators to exceed 3.0 lb/MMBtu heat input averaged over a 3-hour period.	Summary		
3-1B	EU	REG112-002	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) § 112.9(e) ** See CAM Summary	§ 112.2(c)	§ 112.2(b)
3-1B	EU	REG117-001	NO _x	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(ii) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each coal-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NO _x) do not exceed 0.165 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) [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) [G]§ 117.3054(a) § 117.3054(c) § 117.3056
3-1B	EU	60Da-001	NO _x PM PM (OPACITY) SO ₂	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
3-1B	EU	60Da-002	NO _x PM PM (OPACITY)	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40

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)
			SO2		limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da		testing requirements of 40 CFR Part 60, Subpart Da	requirements of 40 CFR Part 60, Subpart Da	CFR Part 60, Subpart Da
3-1B	EU	60Da-003	NOx PM PM (OPACITY) SO2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
3-1B	EU	63UUUUU-1	112(B) HAPS	40 CFR Part 63, Subpart UUUUU	§ 63.9981 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU *See Alternative Requirements	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart UUUUU
GRP-1&2COA	EU	60Y-001	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.256(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading	§ 60.255(a) § 60.256(a) § 60.256(a)(2) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.			
GRP-BLR1&2	EU	R1153-001	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.153(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any oil or gas fuel-fired steam generator with a heat input greater than 2,500 million Btu per hour to exceed 0.1 pound of total suspended particulate per million Btu input averaged over a two-hour period.	** See Periodic Monitoring Summary	None	None
GRP-BLR1&2	EU	R1153-002	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.153(b)	No person may cause, suffer, allow, or permit emissions of particulate matter from any solid fossil fuel-fired steam generator to exceed 0.3 pound of total suspended particulate per million Btu heat input, averaged over a two-hour period.	** See Periodic Monitoring Summary	None	None
GRP-BLR1&2	EU	REG112-001	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.8(a)	Except as in §112.8(b), no person may cause, suffer, allow, or permit emissions of SO ₂ from solid fossil fuel-fired steam generators to exceed 3.0 lb/MMBtu heat input averaged over a 3-hour period.	§ 112.2(a) § 112.8(d) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
GRP-BLR1&2	EU	REG112-002	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at	§ 112.2(a) § 112.9(e) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

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)
						actual stack conditions and averaged over 3-hours.			
GRP-BLR1&2	EU	REG117-001	NO _x	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(ii) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each coal-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NO _x) do not exceed 0.165 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) [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) [G]§ 117.3054(a) § 117.3054(c) § 117.3056
GRP-BLR1&2	EU	60D-001	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-BLR1&2	EU	60D-001	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-001	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing SO ₂ in excess of 520 ng/J heat input (1.2 lb/MMBtu)	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2)	None	§ 60.45(g)

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)
						derived from solid fossil fuel or solid fossil fuel and wood residue.	§ 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)		
GRP-BLR1&2	EU	60D-001	NO _x	40 CFR Part 60, Subpart D	§ 60.44(a)(3)	On/after the §60.8 tests, no affected facility shall emit gases containing NO _x , expressed as NO ₂ , in excess of 300 ng/J heat input (0.7 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
GRP-BLR1&2	EU	60D-002	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-BLR1&2	EU	60D-002	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-002	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing SO ₂ in excess of 520 ng/J heat input (1.2 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-003	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-BLR1&2	EU	60D-003	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-003	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing SO ₂ in excess of 340 ng/J heat input (0.80 lb/MMBtu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-003	NO _x	40 CFR Part 60, Subpart D	§ 60.44(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing NO _x , expressed as NO ₂ , in excess of 129 ng/J heat input (0.3 lb/MMBtu) derived from the specified fuels.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic	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)
							Monitoring Summary		
GRP-BLR1&2	EU	60D-004	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-BLR1&2	EU	60D-004	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-004	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing SO ₂ in excess of 520 ng/J heat input (1.2 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3)	None	§ 60.45(g)

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)
							§ 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)		
GRP-BLR1&2	EU	60D-005	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-BLR1&2	EU	60D-005	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(e)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-005	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)		
GRP-BLR1&2	EU	60D-005	NO _x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(c) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
GRP-BLR1&2	EU	60D-006	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-BLR1&2	EU	60D-006	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM	None	§ 60.45(g)

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)
							Summary		
GRP-BLR1&2	EU	60D-006	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
GRP-BLR1&2	EU	60D-007	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-BLR1&2	EU	60D-007	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)	None	§ 60.45(g)

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)
						hour of not more than 27% opacity.	§ 60.46(a) § 60.46(b)(3) ** See CAM Summary		
GRP-BLR1&2	EU	60D-007	SO ₂	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
GRP-BLR1&2	EU	63UUUUU	112(B) HAPS	40 CFR Part 63, Subpart UUUUU	§ 63.9981 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU *See Alternative Requirements	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart UUUUU
GRP-COAL-3	EU	60Y-001	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.256(a)	On and after the date on which the performance test is	§ 60.255(a) § 60.256(a)	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)
						conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.256(a)(2) ** See Periodic Monitoring Summary		
GRP-COAL-4	EU	60Y-001	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.256(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) § 60.256(a) § 60.256(a)(2) ** See Periodic Monitoring Summary	None	None
GRP-COAL-5	EU	60Y-001	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.256(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal	§ 60.255(a) § 60.256(a) § 60.256(a)(2) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.			
GRP-STK1&2	EP	R1111-001	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F) § 111.111(a)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
GRP-STK1&2	EP	R1111-002	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
ORANPUM P 07404	EU	63ZZZZ-01	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.3 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start CI stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 300 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 230 ppmvd or less at 15% O ₂ .	§ 63.6612(a) [G]§ 63.6612(b) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.a.ii § 63.6650(a)-Table7.1.b § 63.6650(a)-

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							Table 5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)		Table 7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) § 63.6650(b)(6) § 63.6650(b)(7) § 63.6650(b)(8) § 63.6650(b)(9) [G] § 63.6650(c) [G] § 63.6650(d) § 63.6650(f)

Additional Monitoring Requirements

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CAM Summary

Unit/Group/Process Information	
ID No.: 3-1B	
Control Device ID No.: FGD-3-1B	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG112-001
Pollutant: SO ₂	Main Standard: § 112.8(a)
Monitoring Information	
Indicator: SO ₂ Concentration	
Minimum Frequency: four times per hour	
Averaging Period: 3-hour rolling	
Deviation Limit: Maximum SO ₂ = 3.0 lb/MMBtu heat input	
CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

CAM Summary

Unit/Group/Process Information	
ID No.: 3-1B	
Control Device ID No.: FGD-3-1B	Control Device Type: Wet Scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG112-002
Pollutant: SO ₂	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: SO ₂ Concentration	
Minimum Frequency: four times per hour	
Averaging Period: 3-hour rolling	
Deviation Limit: Maximum SO ₂ = 440 ppmv at actual stack conditions	
CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-001
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-002
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-003
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-004
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-005
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-006
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-007
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-001
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-002
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-003
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-004
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-005
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-006
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: ESP-FPP-1	Control Device Type: Wet or Dry Electrostatic Precipitator
Control Device ID No.: ESP-FPP-2	Control Device Type: Wet or Dry Electrostatic Precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-007
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%, except for one 6-minute period per hour of < 27%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 3-1B	
Control Device ID No.: N/A	Control Device ID No.: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1153-002
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Most recent stack testing emission factor (lb PM/MMBtu) multiplied by heat input (MMBtu/hr) determined by CEMS data for that hour.	
Minimum Frequency: Four times per hour	
Averaging Period: 2 hours	
Deviation Limit: Emission rate greater than 0.3 lb TSP/MMBtu.	
<p>Periodic Monitoring Text: An emission factor in lb/MMBtu will be calculated based on the stack test data and the hourly heat input determined from the CEMS data during the stack test or other alternative methods acceptable to the TCEQ. The emission factor will be based on the average of three test runs. For each hour of operation, a lb/hr emission rate will be calculated by multiplying the lb/MMBtu emission factor by the heat input in MMBtu/hr determined by the CEMS data for that hour. All resulting lb/hr emission rates that are less than or equal to a lb/hr emission rate that is based on 0.3 lb TSP/MMBtu times the heat input measured during the most recent representative stack testing (based on the average of three test runs) shall be considered in compliance with the permit.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 3-1B	
Control Device ID No.: N/A	Control Device ID No.: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1153-001
Pollutant: PM	Main Standard: § 111.153(c)
Monitoring Information	
Indicator: Most recent stack testing emission factor (lb PM/MMBtu) multiplied by heat input (MMBtu/hr) determined by CEMS data for that hour.	
Minimum Frequency: Four times per hour	
Averaging Period: 2 hours	
Deviation Limit: Emission rate greater than 0.1 lb TSP/MMBtu.	
<p>Periodic Monitoring Text: An emission factor in lb/MMBtu will be calculated based on the stack test data and the hourly heat input determined from the CEMS data during the stack test or other alternative methods acceptable to the TCEQ. The emission factor will be based on the average of three test runs. For each hour of operation, a lb/hr emission rate will be calculated by multiplying the lb/MMBtu emission factor by the heat input in MMBtu/hr determined by the CEMS data for that hour. All resulting lb/hr emission rates that are less than or equal to a lb/hr emission rate that is based on 0.1 lb TSP/MMBtu times the heat input measured during the most recent representative stack testing (based on the average of three test runs) shall be considered in compliance with the permit.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-1&2COA	
Control Device ID No.: BH-COAL-10	Control Device Type: Fabric Filter
Control Device ID No.: BH-COAL-9	Control Device Type: Fabric Filter
Control Device ID No.: BT-COAL-1	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-001
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Quarterly	
Averaging Period: Six Minutes	
Deviation Limit: Maximum Opacity = 20%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1153-002
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Most recent stack testing emission factor (lb PM/MMBtu) multiplied by heat input (MMBtu/hr) determined by CEMS data for that hour.	
Minimum Frequency: Four times per hour	
Averaging Period: 2 hours	
Deviation Limit: Emission rate greater than 0.3 lb TSP/MMBtu.	
<p>Periodic Monitoring Text: An emission factor in lb/MMBtu will be calculated based on the stack test data and the hourly heat input determined from the CEMS data during the stack test or other alternative methods acceptable to the TCEQ. The emission factor will be based on the average of three test runs. For each hour of operation, a lb/hr emission rate will be calculated by multiplying the lb/MMBtu emission factor by the heat input in MMBtu/hr determined by the CEMS data for that hour. All resulting lb/hr emission rates that are less than or equal to a lb/hr emission rate that is based on 0.3 lb TSP/MMBtu times the heat input measured during the most recent representative stack testing (based on the average of three test runs) shall be considered in compliance with the permit.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1153-001
Pollutant: PM	Main Standard: § 111.153(c)
Monitoring Information	
Indicator: Most recent stack testing emission factor (lb PM/MMBtu) multiplied by heat input (MMBtu/hr) determined by CEMS data for that hour.	
Minimum Frequency: Four times per hour	
Averaging Period: 2 hours	
Deviation Limit: Emission rate greater than 0.1 lb TSP/MMBtu.	
<p>Periodic Monitoring Text: An emission factor in lb/MMBtu will be calculated based on the stack test data and the hourly heat input determined from the CEMS data during the stack test or other alternative methods acceptable to the TCEQ. The emission factor will be based on the average of three test runs. For each hour of operation, a lb/hr emission rate will be calculated by multiplying the lb/MMBtu emission factor by the heat input in MMBtu/hr determined by the CEMS data for that hour. All resulting lb/hr emission rates that are less than or equal to a lb/hr emission rate that is based on 0.1 lb TSP/MMBtu times the heat input measured during the most recent representative stack testing (based on the average of three test runs) shall be considered in compliance with the permit</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG112-001
Pollutant: SO ₂	Main Standard: § 112.8(a)
Monitoring Information	
Indicator: SO ₂ Concentration	
Minimum Frequency: four times per hour	
Averaging Period: 3-hour	
Deviation Limit: Maximum SO ₂ = 3.0 lb/MMBtu heat input	
<p>Periodic Monitoring Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR §60.13 and the performance specifications of 40 CFR Part 60, Appendix B. In addition, monitor oxygen or carbon dioxide with a CEMS operated in accordance with the above CEMS procedures.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG112-002
Pollutant: SO ₂	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: SO ₂ Concentration	
Minimum Frequency: four times per hour	
Averaging Period: 3-hour	
Deviation Limit: Maximum SO ₂ = 440 ppmv at actual stack conditions	
<p>Periodic Monitoring Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR §60.13 and the performance specifications of 40 CFR Part 60, Appendix B. In addition, monitor oxygen or carbon dioxide with a CEMS operated in accordance with the above CEMS procedures.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-003
Pollutant: NO _x	Main Standard: § 60.44(a)(2)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: .3 lb/MMBtu NO _x	
<p>Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-001
Pollutant: NO _x	Main Standard: § 60.44(a)(3)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: .7 lb/MMBtu NO _x .	
<p>Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-BLR1&2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-005
Pollutant: NO _x	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: NO _x Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Prorated NO _x concentration per § 60.44(b)	
<p>Periodic Monitoring Text: Measure and record the concentration of nitrogen oxide in the exhaust stream with a continuous emission monitoring system (CEMS). In addition, monitor the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-COAL-3	
Control Device ID No.: BH-3-8F	Control Device Type: Fabric Filter
Control Device ID No.: BH-3-9F	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-001
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Quarterly	
Averaging Period: Six minutes	
Deviation Limit: Maximum Opacity = 20%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-COAL-4	
Control Device ID No.: BT-COAL-2	Control Device Type: Other Control Device Type
Control Device ID No.: BT-COAL-3	Control Device Type: Other Control Device Type
Control Device ID No.: BT-COAL-5	Control Device Type: Other Control Device Type
Control Device ID No.: BT-COAL-6	Control Device Type: Other Control Device Type
Control Device ID No.: BT-COAL-7	Control Device Type: Other Control Device Type
Control Device ID No.: BT-COAL-8	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-001
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Quarterly	
Averaging Period: Six minutes	
Deviation Limit: Maximum Opacity = 20%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-COAL-5	
Control Device ID No.: BT-3-16F	Control Device Type: Other Control Device Type
Control Device ID No.: BT-3-5F	Control Device Type: Other Control Device Type
Control Device ID No.: BT-3-6F	Control Device Type: Other Control Device Type
Control Device ID No.: BT-3-7F	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-001
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Quarterly	
Averaging Period: Six minutes	
Deviation Limit: Maximum Opacity = 20%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Permit Shield

Permit Shield 79

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		
3-1B	N/A	40 CFR Part 60, Subpart D	Subject to NSPS Subpart Da
3-1B	N/A	40 CFR Part 63, Subpart DDDDD	This unit is covered by 40 CFR63 Subpart UUUUU.
3-8L	N/A	40 CFR Part 60, Subpart OOO	These are wet material process operations with no PM emissions.
GRP-BLR1&2	FPP-1, FPP-2	40 CFR Part 63, Subpart DDDDD	These units are covered by 40 CFR 63 Subpart UUUUU.
GRP-LMST-3	3-1L, 3-2L, 3-3L, 3-4L, 3-5L, 3-6L, 3-7L	40 CFR Part 60, Subpart OOO	Constructed or modified prior to 8/31/83.

Alternative Requirements

Compliance Extension 81

Bryan W. Shaw, Ph.D., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard Hyde, P.E., *Executive Director*



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

December 16, 2014

MR BILL STEINHAUSER PE
MANAGER ENVIRONMENTAL AFFAIRS
LOWER COLORADO RIVER AUTHORITY
PO BOX 220
AUSTIN TX 78767-0220

Re: Re: Title 40 Code of Federal Regulations Part 63, Subpart UUUUU Compliance Extension
Title V Operating Permit Number: 021
New Source Review Permit Number: 51770
Sam Seymour (Fayette Power Project) Units 1, 2, and 3
La Grange, Fayette County
Regulated Entity Number: RN100226844
Customer Reference Number: CN600253637
Account Number: FC-0018-G

Dear Mr. Steinhauser:

This is in response to your letter dated December 15, 2014, requesting an extension of one year to comply with the mercury related requirements in Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart UUUUU (National Emission Standards for Hazardous Air Pollutants from Coal- and Oil-Fired Electric Steam Generating Units). Based on the information in your letter dated December 15, 2014, the three coal-fired electric generating units at Sam Seymour (Fayette Power Project (FPP)) are hereby granted a one year extension from April 16, 2015 to April 16, 2016 to comply with the mercury related requirements in 40 CFR Part 63, Subpart A and UUUUU. The purpose of this letter is to make clear that the one year extension authorized by the Texas Commission on Environmental Quality letter dated December 15, 2014 was pollutant specific for mercury only. The compliance date shall remain April 16, 2015 for other non-mercury pollutant requirements regulated in Part 63, Subpart UUUUU.

Item numbers 1 through 4 below are conditions of the compliance extension approval for mercury related requirements.

Emission Control Installations and Compliance Schedule

1. The following compliance schedule shall be met, as represented in your request for compliance extension to satisfy the requirements of 40 CFR § 63.6(i)(6)(i):
 - (a) During the January 2015 through April 2016 time period, the Lower Colorado River Authority (LCRA) will continue to evaluate the currently installed powdered activated carbon (PAC) injection systems and the mercury continuous emissions monitoring systems on FPP Units 1, 2, and 3. However, if performance testing indicates the exiting PAC injection system may not achieve compliance with the MATS, LCRA will install an

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Mr. Steinhauser
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December 16, 2014

Re: Title V Operating Permit Number: 021

- upgraded or new PAC injection system, and/or other potential mercury controls including chemical treatment of the fuel, if necessary to comply with the MATS.
- (b) LCRA will begin on-site construction or installation of new or upgraded mercury controls in 2015, if new or upgraded mercury controls are determined to be necessary for compliance with the MATS.
 - (c) Final compliance with the Subpart UUUUU mercury standards for FPP Units 1, 2, and 3 shall be achieved by April 16, 2016.
 - (d) Initial compliance testing for mercury from FPP Units 1, 2, and 3 required by 40 CFR § 63.10005 shall be conducted no later than 180 days following the one year extension date of April 16, 2016.

Support for Compliance Schedule

- 2. LCRA proposes an alternate compliance schedule for compliance with the mercury related MATS requirements based upon receiving a one year extension. The compliance schedule takes into consideration the testing and the evaluation of the existing PAC injection system and the potential construction schedule to install new or upgraded mercury controls, if necessary, for FPP Units 1, 2, and 3.

Notification and Other Requirements

- 3. Once compliance with the mercury standards is achieved for FPP Units 1, 2, and 3, which shall be no later than April 16, 2016, LCRA shall submit a notification to the TCEQ and the U.S. Environmental Protection Agency (EPA) Region 6, postmarked within 30 days of the date compliance was achieved, specifying the new compliance date and detailing the affected site and equipment. All mercury related requirements including monitoring, performance testing, recordkeeping, and reporting required by the applicable standards in Subpart A and UUUUU must begin on the new compliance date, or where time frames in the standards are established from the compliance date, must be based on the new compliance date.

The notification required in this condition should be directed to:

Air Section Manager
TCEQ Region 11
P.O. Box 1307
Austin, Texas 78711-3087

With Copies To:

Texas Commission on Environmental Quality
Air Permits Division, MC-163
Mr. Erik Hendrickson
P.O. Box 13087
Austin, Texas 78711-3087

Mr. Steinhauser
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December 16, 2014

Re: Title V Operating Permit Number: 021

U.S. Environmental Protection Agency
Region 6
Attn: Air Permits Section (6PD-R)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

4. This compliance extension may be terminated, or additional requirements imposed, at any time the TCEQ or EPA determines that LCRA is not making reasonable efforts to comply consistent with the compliance extension application.

Pursuant to 40 CFR § 63.6(i)(4)(i)(A), LCRA is required to apply for a revision of the affected source's Title V permit (Permit Number 021) to incorporate the conditions of this compliance extension.

The TCEQ appreciates your attention to the changing applicable rule requirements. If you need further information or have any questions, please contact Mr. Erik Hendrickson, P.E. at (512) 239-1095 or write to the TCEQ, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

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

Sincerely,



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

MPW/EH/eh

Enclosure

cc: Air Section Manager, Region 11 - Austin
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Number: 224230

New Source Review Authorization References

New Source Review Authorization References 85

New Source Review Authorization References by Emission Unit..... 86

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.: PSDTX486M3	Issuance Date: 09/23/2014
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.: 115662	Issuance Date: 02/02/2015
Authorization No.: 51770	Issuance Date: 09/23/2014
Authorization No.: 52373	Issuance Date: 12/11/2012
Authorization No.: 88122	Issuance Date: 05/15/2009
Authorization No.: PAL2	Issuance Date: 04/14/2011
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	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: 106.472	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 53	Version No./Date: 11/05/1986
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 01/08/1980
Number: 75	Version No./Date: 11/05/1986
Number: 106	Version No./Date: 07/20/1992

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
3-13F	COAL TRANSFER BAGHOUSE	51770, PSDTX486M3
3-14F	COAL TRANSFER BAGHOUSE	51770, PSDTX486M3
3-15F	COAL TRANSFER	51770, PSDTX486M3
3-16F	COAL TRANSFER	51770, PSDTX486M3
3-17F	COAL TRANSFER	51770, PSDTX486M3
3-18F	DEAD STORAGE RECLAIM	51770, PSDTX486M3
3-19F	ACTIVE STORAGE RECLAIM	51770, PSDTX486M3
3-1B	UNIT 3 STEAM GENERATOR	51770, PSDTX486M3
3-1B	UNIT 3 STEAM GENERATOR STACK	51770, PSDTX486M3
3-1L	LIMESTONE UNLOADING	51770, PSDTX486M3
3-2F	COAL HANDLING: CONVEYOR TRANSFER	51770, PSDTX486M3
3-2L	LIMESTONE RECLAIM	51770, PSDTX486M3
3-3F/3-12F	TRANSFER TO UNIT 3 ACTIVE / DEAD COAL PILES	51770, PSDTX486M3
3-3L	LIMESTONE STACKOUT	51770, PSDTX486M3
3-4F	COAL HANDLING: CONVEYOR TRANSFER	51770, PSDTX486M3
3-4L	LIMESTONE RECLAIM	51770, PSDTX486M3
3-5F	COAL TRANSFER	51770, PSDTX486M3
3-5L	LIMESTONE SILO TRANSFER	51770, PSDTX486M3

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
3-6F	COAL TRANSFER	51770, PSDTX486M3
3-6L	LIMESTONE CRUSHER	51770, PSDTX486M3
3-7F	COAL TRANSFER	51770, PSDTX486M3
3-7L	LIMESTONE CRUSHER	51770, PSDTX486M3
3-8F	COAL TRANSFER	51770, PSDTX486M3
3-8L	LIMESTONE CRUSHER	51770, PSDTX486M3
3-9F	COAL TRANSFER	51770, PSDTX486M3
COAL-10	COAL TRANSFER TO SILO BAGHOUSE	51770, PSDTX486M3
COAL-1	COAL RAILCAR UNLOADING	51770, PSDTX486M3
COAL-2	COAL TRANSFER	51770, PSDTX486M3
COAL-3	COAL TRANSFER	51770, PSDTX486M3
COAL-4	COAL TRANSFER TO PILE	51770, PSDTX486M3
COAL-5	COAL RECLAIM 1 & 2	51770, PSDTX486M3
COAL-6	COAL CRUSHER	51770, PSDTX486M3
COAL-7	COAL TRANSFER SURGE BIN	51770, PSDTX486M3
COAL-8	COAL TRANSFER SURGE BIN	51770, PSDTX486M3
COAL-9	COAL TRANSFER TO SILO BAGHOUSE	51770, PSDTX486M3
FPP-1N	FPP-1N UNIT 1 STEAM GENERATOR STACK	51770, PSDTX486M3

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
FPP-1	UNIT 1 STEAM GENERATOR	51770, PSDTX486M3
FPP-2N	FPP-2N UNIT 2 STEAM GENERATOR STACK	51770, PSDTX486M3
FPP-2	UNIT 2 STEAM GENERATOR	51770, PSDTX486M3
ORANPUMP 07404	ORANGE PUMP (COAL PILE RUN-OFF POND)	106.512/06/13/2001
PILE 3D	UNIT 3 DEAD COAL PILE	51770, PSDTX486M3
PILE-1&2	COAL PILES 1&2	51770, PSDTX486M3
PILE-3A	UNIT 3 ACTIVE COAL PILE	51770, PSDTX486M3

Appendix A

Acronym List90

Acronym List

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

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

Appendix B

Major NSR Summary Table..... 92

Permit Number: 51770 and PSDTX486M3 (Issuance Date: 09/23/2014)							
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
FPP-1N	Unit 1 Steam Electric Generator	VOC	26.30	112.66	2, 6, 7, 12, 13, 14, 15, 16, 17, 22, 24, 27, 34, 35	2, 6, 13, 15, 17, 18, 19, 24, 27, 28, 35	2, 4, 11, 12, 13, 15, 16, 21, 22, 37
		NO _x	1725.63	3004.36			
		CO	1296.40	5678.25			
		SO ₂	1800.56	1577.29			
		H ₂ SO ₄	83.80	155.03			
		Pb	0.10	0.33			
		PM/PM ₁₀ /PM _{2.5}	274.37	1201.74			
		PM (7)	2110.67	-			
		PM ₁₀ (7)	554.31	-			
		PM _{2.5} (7)	207.39	-			
		Pb (7)	0.25	-			
		HCl	262.40	99.49			
		HF	24.03	32.27			
FPP-2N	Unit 2 Steam Electric Generator	VOC	26.30	113.26	2, 6, 7, 12, 13, 14, 15, 16, 17, 22, 24, 27, 34, 35	2, 6, 13, 15, 17, 18, 19, 24, 27, 28, 35	2, 4, 11, 12, 13, 15, 16, 21, 22, 37
		NO _x	1673.89	3020.20			
		CO	1716.96	7520.31			
		SO ₂	1810.05	1585.61			
		H ₂ SO ₄	83.80	155.84			
		Pb	0.10	0.33			
		PM/PM ₁₀ /PM _{2.5}	275.82	1208.08			
		PM (7)	2110.67	-			
		PM ₁₀ (7)	554.31	-			
		PM _{2.5} (7)	207.39	-			

		Pb (7)	0.25	-			
		HCl	263.79	100.01			
		HF	24.16	32.44			
3-1B	Unit 3 Steam Electric Generator	VOC	36.00	101.59	2, 6, 7, 12, 13, 14, 15, 16, 17, 20, 22, 24, 27, 34, 35	2, 6, 13, 15, 17, 18, 19, 20, 24, 27, 28, 35	2, 4, 11, 12, 13, 15, 16, 21, 22, 37
		NO _x	1059.61	2708.94			
		CO	920.25	4030.70			
		SO ₂	1948.21	2844.39			
		H ₂ SO ₄	79.78	139.78			
		Pb	0.09	0.29			
		PM/PM ₁₀ /PM _{2.5}	123.70	541.79			
		PM (7)	1926.92	-			
		PM ₁₀ (7)	512.04	-			
		PM _{2.5} (7)	196.36	-			
		Pb (7)	0.22	-			
		HCl	236.60	89.70			
		HF	21.67	29.09			
		FPP-1N, FPP-2N, 3-1B	Final Compliance Cap for Units 1, 2, & 3	VOC				-	276.58	2, 6, 7, 12, 13, 14, 15, 16, 17, 20, 22, 24, 27	2, 6, 13, 15, 17, 18, 19, 20, 24, 27, 28	2, 4, 11, 12, 13, 15, 16, 21, 22
CO	3738.40			11878.17			
SO ₂	3461.38			-			
H ₂ SO ₄	155.98			-			
HCl	624.88			-			
HF	66.40			-			
FLYASH-1	Flyash Silo-1 Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036	8	18, 19, 27, 28	21
FLYASH-2	Flyash Silo-2 Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036	8	18, 19, 27, 28	21
FLYASH-3	Unit 1 Storage Bin Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036		18, 19, 27, 28	21
FLYASH-4	Unit 2 Storage Bin Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036		18, 19, 27, 28	21
3-1A	Ash Collection Baghouse	PM/PM ₁₀ /PM _{2.5}	0.099	0.096		18, 19, 27, 28	21

3-2A	Ash Transport Baghouse	PM/PM ₁₀ /PM _{2.5}	0.079	0.096		18, 19, 27, 28	21
3-3A	Ash Collection Baghouse	PM/PM ₁₀ /PM _{2.5}	0.099	0.096		18, 19, 27, 28	21
3-4A	Ash Transport Baghouse	PM/PM ₁₀ /PM _{2.5}	0.079	0.096		18, 19, 27, 28	21
3-1L	Limestone Unloading	PM	0.063	0.013		18, 19, 27, 28	21
		PM ₁₀	0.030	0.006			
		PM _{2.5}	0.005	0.001			
3-2L	Limestone Reclaim	PM	0.032	0.006		18, 19, 27, 28	21
		PM ₁₀	0.015	0.003			
		PM _{2.5}	0.002	0.001			
3-3L	Limestone Stackout	PM	0.006	0.004		18, 19, 27, 28	21
		PM ₁₀	0.003	0.002			
		PM _{2.5}	0.0005	0.0003			
3-4L	Limestone Reclaim	PM	0.006	0.004		18, 19, 27, 28	21
		PM ₁₀	0.003	0.002			
		PM _{2.5}	0.0005	0.0003			
3-5L	Limestone Silo Transfer	PM	0.006	0.002		18, 19, 27, 28	21
		PM ₁₀	0.003	0.001			
		PM _{2.5}	0.001	0.0002			
3-6L	Limestone Crusher	PM	0.300	0.200		18, 19, 27, 28	21
		PM ₁₀	0.142	0.095			
		PM _{2.5}	0.021	0.014			
3-7L	Limestone Crusher	PM	0.300	0.200		18, 19, 27, 28	21
		PM ₁₀	0.142	0.095			
		PM _{2.5}	0.021	0.014			
3-8L	Limestone Crusher	PM	0.300	0.200		18, 19, 27, 28	21
		PM ₁₀	0.142	0.095			
		PM _{2.5}	0.021	0.014			
COAL-1	Coal Railcar Unloading	PM/PM ₁₀ /PM _{2.5}	0.161	0.233		18, 19, 27	21

COAL-2	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.107	0.155		18, 19, 27	21
COAL-3	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.107	0.102		18, 19, 27	21
COAL-4	Coal Transfer to Pile	PM	0.803	0.765		18, 19, 27	21
		PM ₁₀	0.380	0.362			
		PM _{2.5}	0.057	0.055			
COAL-5	Coal Reclaim 1&2	PM/PM ₁₀ /PM _{2.5}	0.054	0.083		18, 19, 27	21
COAL-6	Coal Crusher	PM/PM ₁₀ /PM _{2.5}	0.400	0.620		18, 19, 27	21
COAL-7	Coal Transfer Surge Bin	PM/PM ₁₀ /PM _{2.5}	0.027	0.041		18, 19, 27	21
COAL-8	Coal Transfer Surge Bin	PM/PM ₁₀ /PM _{2.5}	0.027	0.041		18, 19, 27	21
COAL-9	Coal Transfer to Silo Baghouse	PM/PM ₁₀ /PM _{2.5}	0.027	0.041		18, 19, 27	21
COAL-10	Coal Transfer to Silo Baghouse	PM/PM ₁₀ /PM _{2.5}	0.027	0.041		18, 19, 27	21
PILE 1&2	Coal Piles 1&2	PM	5.20	22.78			
		PM ₁₀	2.46	10.772			
		PM _{2.5}	0.372	1.631		18, 19, 27	21
ASH PILE	Combustion By-Product Landfill	PM	1.09	4.79			
		PM ₁₀	0.517	2.266			
		PM _{2.5}	0.078	0.343		18, 19, 27	21
PILE-3A	Unit 3 Active Coal Pile	PM	0.335	1.469			
		PM ₁₀	0.159	0.695			
		PM _{2.5}	0.024	0.106		18, 19, 27	21
PILE-3D	Unit 3 Dead Coal Pile	PM	1.21	5.30			
		PM ₁₀	0.572	2.505			
		PM _{2.5}	0.087	0.379		18, 19, 27	21
3-2F	Coal Transfer	PM	1.26	1.32			
		PM ₁₀	0.598	0.626			
		PM _{2.5}	0.091	0.095		18, 19, 27	21
3-3F/3-12F	Transfer to Unit 3 Active/Dead Coal Piles	PM	2.11	2.21		18, 19, 27	21

		PM ₁₀	0.997	1.044			
		PM _{2.5}	0.151	0.158			
3-4F	Coal Transfer	PM	0.602	1.324			
		PM ₁₀	0.285	0.626			
		PM _{2.5}	0.043	0.095		18, 19, 27	21
3-5F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.040	0.088		18, 19, 27	21
3-6F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	3.000	6.600		18, 19, 27	21
3-7F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.040	0.088		18, 19, 27	21
3-8F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.080	0.044		18, 19, 27	21
3-9F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.080	0.044		18, 19, 27	21
3-13F	Coal Transfer Baghouse	PM/PM ₁₀ /PM _{2.5}	0.040	0.088		18, 19, 27	21
3-14F	Coal Transfer Baghouse	PM/PM ₁₀ /PM _{2.5}	0.019	0.044		18, 19, 27	21
3-15F	Coal Transfer	PM	0.187	0.44			
		PM ₁₀	0.089	0.209			
		PM _{2.5}	0.013	0.032		18, 19, 27	21
3-16F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.084	0.155		18, 19, 27	21
3-17F	Coal Transfer	PM	1.26	1.32			
		PM ₁₀	0.598	0.626			
		PM _{2.5}	0.091	0.095		18, 19, 27	21
3-18F	Dead Storage Reclaim	PM	0.401	0.441			
		PM ₁₀	0.190	0.209			
		PM _{2.5}	0.029	0.032		18, 19, 27	21
3-19F	Active Storage Reclaim	PM	0.602	0.662			
		PM ₁₀	0.285	0.313			
		PM _{2.5}	0.043	0.047		18, 19, 27	21
MSSFUG	Storage Tank Maintenance Emissions (ILE)	VOC	182.83	0.30		18, 19, 27	21

MSSFUG	Planned Site wide MSS Activities (ILE)	NO _x	2.43	1.21			
		CO	1.49	0.70			
		SO ₂	0.01	0.01			
		PM	6.20	3.77			
		PM ₁₀	3.87	2.83			
		PM _{2.5}	0.89	0.36			
		VOC	0.90	0.16		18, 19, 27	21

- (1) Emission point identification—either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code §101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM 2.5
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
H₂SO₄ - sulfuric acid mist
Pb - lead
- (4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
- (5) 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.
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period, unless otherwise noted in permit special conditions.

(7) MSS hourly emission limit only. The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

___Hrs./day ___Days/week ___Weeks/year or 8,760 Hrs./year

Date: September 23, 2014



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Permit Is Hereby Issued To
Lower Colorado River Authority
Authorizing the Construction and Operation of
LCRA Sam Seymour Fayette Power Project
Located at **La Grange, Fayette County, Texas**
Latitude 29° 55' 30" Longitude -96° 45' 30"

Permits: 51770 and PSDTX486M3

Revision Date : September 23, 2014

Renewal Date: May 2, 2024

For the Commission

- 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)]
- 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)]
- 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)]
- 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)]
- 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.

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1. This permit covers those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in the attached table.

Federal Applicability

2. These facilities shall comply with applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Standards of Performance for New Stationary Sources (NSPS), Subpart A, D (Unit Nos. 1 and 2), Da (Unit No. 3), and IIII (engines). These facilities shall comply with applicable requirements of the U.S. EPA regulations in Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63), National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP), Subpart A, ZZZZ (diesel engines), UUUUU (Unit Nos. 1, 2, and 3). If any condition of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.
3. The permit holder will voluntarily limit emissions of oxides of nitrogen (NO_x) to a combined total of 9,522 tons per year (tpy) from the Sam Seymour Power Plant. The permit holder further agrees to make the 9,522 tpy limits between Sam Seymour Units 1, 2, and 3 federally enforceable with this permit condition.

Fuel Specifications and Limitations

4. The following fuels shall be authorized to be burned in all three boilers:
 - A. Lignite and/or subbituminous coal and various other coals with a maximum ash content of 28.11 percent by weight and with trace element concentrations that do not exceed those concentrations identified in Attachment A.
 - B. Fuel oil and natural gas with trace element concentrations that do not exceed those concentrations identified in Attachment A.
 - C. Oil-contaminated Class I Industrial Wastes generated on-site at the Fayette Power Project (FPP) as represented in the amendment application dated October 28, 1995. No Resource Conservation and Recovery Act (RCRA) hazardous waste streams shall be burned in any of the three Boilers.

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- D. Water from ash storage ponds on-site at the FPP as represented in the amendment applications dated October 2, 1987.
- E. Marijuana confiscated by law enforcement agencies. The marijuana must be burned in conjunction with other fuels at a rate that will not cause an exceedance of the maximum allowable emission limits.

Each boiler is limited to combusting a fuel feed stream, 30 percent or less of the weight of which is comprised, in aggregate, of municipal solid waste as measured on a calendar quarter basis. **(9/14)**

- F. Mixtures of the above fuels provided there will not be an exceedance of the maximum allowable emission limits.
 - G. The use of any other fuels not identified above will require prior notification to the Texas Commission on Environmental Quality (TCEQ) Regional Office. The notification shall include sufficient documentation to demonstrate that any new fuels burned will not cause an exceedance of the maximum allowable emission limits. At the request of the Executive Director of the TCEQ, the holder of this permit may be asked to provide additional information, perform air dispersion modeling, stack sampling, or other testing, as required, to establish that air contaminants resulting from the firing of new fuels not identified above are protective of human health and the environment.
5. Approved oil-contaminated wastes are limited to the following maximum feed rates:
- A. Fifteen tpy of coal and dirt contaminated with fuel or hydraulic oils.
 - B. Fifteen tpy of absorbent material, booms, and rags contaminated with fuel or hydraulic oil.
 - C. Forty tpy of sump waste contaminated with coal, dirt, fuel oil, lube oil, and/or hydraulic oil.

Compliance with these feed rates is based on the calendar year.

6. Upon request by the Executive Director of the TCEQ or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuels fired in the boilers or shall allow air pollution control agency representatives to obtain a sample for analysis.

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7. Opacity of emissions from Unit 1 or Unit 2 boiler stacks, Emission Point Nos. (EPNs) FPP-1 and FPP-2, shall not exceed 20 percent averaged over a six-minute period, except during periods of routine maintenance, start-up, or shutdown (MSS) or as otherwise allowed by law. During periods of MSS, the opacity shall be controlled in accordance with Special Condition No. 24. Opacity of emissions from the Unit 3 boiler stack, EPN 3-1B, shall not exceed 10 percent averaged over a six minute period, except during periods of routine maintenance, start-up, or shutdown (MSS) or as otherwise allowed by law. During periods of MSS, the opacity shall be controlled in accordance with Special Condition No. 24. Opacity shall be determined by the EPA Reference Method No. 9 during compliance stack sampling. Continuous demonstration of compliance with this special condition shall be with opacity monitors required by Special Condition No. 15.

Material Handling Operational Requirements

8. While loading dry fly ash into tarp-covered transport trucks and/or fully enclosed transport trucks, no visible emissions shall be observed for more than 20 percent of the time as determined by EPA Method No. 22. At least one truck loading event per quarter will have EPA Method No. 22 performed and recorded. At the request of the TCEQ Regional Director, the use of tarp-covered trucks shall be terminated if it is determined that they cause excessive emissions.
9. Material handling not controlled by a telescopic discharge chute (maximum free fall of eight feet), baghouse, enclosure, or electrostatic precipitator shall be controlled, as necessary, by a wet dust suppression system.
10. All lignite and/or coal stockpiles shall be sprinkled with water and/or chemicals, as necessary, to achieve maximum control of dust emissions.

Implementation Schedule

11. All control upgrades implemented for facilities authorized by this permit shall be completed on a schedule to assure compliance with all short-term pound per hour (lb/hr) and annual TPY emission limits, as tabulated on the attached maximum allowable emission rates table (MAERT). The initial emission limits become effective upon issuance of this permit. The interim emissions limits become effective on May 1, 2005. The final emissions limits become effective no later than ten years from the date of issuance of this permit, except for the final NO_x emission limits which take effect no later than December 31, 2006.

The holder of this permit is authorized to construct scrubbers for Unit Nos. 1 and 2, new stacks if necessary, and other ancillary equipment associated with the

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scrubbers. The holder of this permit is also authorized to construct equipment associated with future NO_x emission limits in the final emission limits. The holder of this permit shall forward to the staff of the TCEQ Air Permits Division more detailed engineering data on the additional NO_x controls, if necessary, that will be used to meet the final emission limits at least 180 days prior to start of construction of those NO_x controls. This information may be forwarded to the TCEQ in the form of a standard permit for pollution control projects pursuant to Title 30 Texas Administrative Code § 116.617 (30 TAC § 116.617).

After completion of the Implementation Schedule, the holder of this permit shall conduct sampling pursuant to Special Condition No. 13 and shall retain records to demonstrate continuing compliance with the emissions limits.

The permit holder has completed construction of controls necessary to comply with the final emission rates identified in the attached Maximum Allowable Emission Rate Table and the permit holder has conducted sampling pursuant to Special Condition No. 13 that demonstrates compliance with emission limits.

Compliance Stack Sampling

12. Sampling ports and platforms shall be incorporated into the design of all exhaust stacks according to the specifications set forth in the attachment entitled “Chapter 2, Stack Sampling Facilities.” Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director or the TCEQ Air Permits Division in Austin.
13. At the request of the Executive Director of the TCEQ, 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 sources authorized by this permit. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods 201A and 202 or Method 5B, modified to include back-half condensibles, for the concentration of particulate matter equal to or less than 10 microns in diameter (PM₁₀); Reference Method 8 or Reference Methods 6 or 6c for sulfur dioxide (SO₂); Reference Method 9 for opacity; Reference Method 10 for the concentration of carbon monoxide (CO); Reference Method 25A, modified to exclude methane and ethane, for the concentration of volatile organic compounds (VOC) (to measure total carbon as propane); and Reference Method 20 for the concentrations of NO_x and oxygen (O₂); or other equivalent methods approved by the Director of the TCEQ Air Permits Division in Austin or the TCEQ Regional Director.

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Any deviations from those procedures must be approved by the Executive Director of the TCEQ prior to sampling. The TCEQ Executive Director or his designated representative shall be afforded the opportunity to observe all such sampling. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

- A. The TCEQ Austin Regional Office shall be contacted as soon as testing is scheduled but not less than 30 days prior to sampling to schedule a pretest meeting.

The notice shall include:

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

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Austin Regional Director or the TCEQ Air Permits Division in Austin shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standards (NSPS) testing which must have the EPA approval shall be submitted to the TCEQ Air Permits Division in Austin.

- B. The holder of this permit shall perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from EPNs FPP-1, FPP-2, and 3-1B following the installation of NO_x controls in 2005. The holder of this permit shall also perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from EPNs FPP-1(FPP-1N) and FPP-2 (FPP-2N) following scrubber installation. Sampling of each boiler shall occur within 180 days after completion of initial NO_x controls on all boilers, completion of scrubber installation on FPP-1(FPP-1N) and FPP-2 (FPP-2N), and completion of any

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NO_x controls required to meet the final emission limits. Requests for an extension of this schedule shall be made in writing to and approved by the Director of the TCEQ Austin Regional Office. Additional sampling shall occur as may be required by the TCEQ or the EPA.

- C. The boilers shall be tested at their maximum firing rate or as close to a full firing rate as possible. The firing rate shall be identified in the sampling report. The permit holder shall present at the pretest meeting the manner in which stack sampling will be executed in order to demonstrate compliance with the emission limits and with the emission standards found in NSPS Subparts D and Da.
- D. Air contaminants to be sampled and analyzed for following the installation of initial and final (if required) NO_x controls include (but are not limited to) NO_x, CO, and VOC. Air contaminants to be sampled and analyzed for following the installation of scrubbers shall include (but are not limited to) SO₂, PM₁₀, sulfuric acid (H₂SO₄), hydrogen fluoride (HF), hydrogen chloride (HCl), lead (Pb), and opacity.
- E. Within 90 days after the completion of the testing and sampling required herein, three copies of the sampling reports shall be distributed as follows:
 - One copy to the TCEQ Austin Regional Office.
 - One copy to the TCEQ Austin Office of Air, Air Permits Division.
 - One copy to the EPA Region 6 Office, Dallas.

Compliance testing pursuant to this permit condition was conducted in July 2011 that demonstrated compliance with emission limits.

- 14. The permittee may be required by the Executive Director of the TCEQ or his designated representative to sample and analyze the oil-contaminated wastes in accordance with proper waste management procedures in order to:
 - A. Verify that these wastes are Industrial Class I wastes and not RCRA hazardous waste streams, and/or
 - B. Determine the concentrations of constituents in the wastes including (but not limited to): arsenic, barium, cadmium, chromium, Pb, mercury, selenium, and silver.

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Continuous Determination of Compliance

15. The holder of this permit shall calibrate, maintain, and operate a continuous emission monitoring system (CEMS) to measure and record the concentrations of NO_x, SO₂, opacity, and O₂ or CO₂ from EPNs FPP-1(FPP-1N) and FPP-2 (FPP-2N), and 3-1B.
 - 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.
 - B. 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, Procedure 1, Section 5.2.3, and any CEMS downtime shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken.
 - C. The monitoring data shall be reduced to hourly average concentrations at least once every hour, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in lbs/hr at least once every hour. The lb/hr data from EPNs FPP-1(FPP-1N) and FPP-2 (FPP-2N), and 3-1B shall be summed monthly to TPY and used to determine compliance with the annual emissions limits of this permit. Demonstration of compliance with annual limits for pollutants requiring additional controls or emissions reduction shall initially be based upon the 12 months following installation of the additional controls; thereafter, compliance with annual emission limits shall be based on a rolling 12-month period.
 1. Ongoing compliance with the PM/PM₁₀/PM_{2.5}, CO, VOC, H₂SO₄, Pb, HCl and HF emission limits for EPNs FPP-1N, FPP-2N, and 3-1B shall be based on the most recent stack sampling that is representative of normal operations of each unit.
 2. For each contaminant, an emission factor in lb/MMBtu will be calculated based on the stack test data and the hourly heat input determined from the CEMS data during the stack test or other alternative methods

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acceptable to TCEQ. The emission factor will be based on the average of three test runs. If no stack sampling has been performed on the unit for a contaminant, then the emission factor used as the basis of the emission limit in the permit application shall be used. If no stack test has been performed to PM₁₀ or PM_{2.5}, then the emission factor derived from the stack test for PM will be used.

3. For each hour of operation, a pound per hour (lb/hr) emission rate will be calculated by multiplying the lb/MMBtu emission factor by the heat input in MMBtu/hr determined by the CEMS data for that hour. All resulting lb/hr emission rates that are less than or equal to the lb/hr emission limits in the MAERT will be considered in compliance with the permit. The lb/hr emission rate determined as described above will be summed to obtain monthly total emissions that will be used to calculate 12-month rolling average emission rates in tpy for each contaminant. All resulting tpy emission rates that are less than or equal to the tpy emission limits in the maximum allowable emission rates table (MAERT) will be considered in compliance with the permit. Multiple stack tests may be conducted within a 12 month period to demonstrate compliance with an annual emission limit.
 - D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request.
 - E. The TCEQ Austin Regional Office shall be notified at least 21 days prior to any required relative accuracy test audits in order to provide them the opportunity to observe the testing.
 - F. If applicable, each CEMS will be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A. The 40 CFR Part 75 is deemed an acceptable alternative to the performance specifications and quality assurance requirements of 40 CFR Part 60.
16. If any emission monitor fails to meet specified performance, it shall be repaired or replaced as soon as reasonably possible, but no later than seven days after it was first detected by any employee at the facility, unless written permission is obtained from the TCEQ which allows for a longer repair/replacement time. The holder of this permit shall develop an operation and maintenance program (including stocking necessary spare parts) to ensure that the continuous monitors are

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available as required.

17. The holder of this permit shall calibrate, maintain, and operate a fuel flow meter to record the total hourly fuel consumption by each boiler. The systems shall be accurate to plus or minus 10 percent of the units' maximum flow.

Recordkeeping Requirements

18. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.
 - A. A copy of this permit.
 - B. Permit application submitted January 31, 2011 and subsequent application representations submitted to the TCEQ. **(9/14)**
 - C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 13.
 - 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.
19. Recordkeeping programs for those facilities authorized by the permit shall be established and maintained such that the ability to demonstrate compliance with all authorized emission limits (short-term and annual) is ensured. Compliance with annual TPY emissions shall be based on a 12-month rolling average, unless otherwise specified elsewhere in this permit. Emissions calculations for verifying compliance with the emission limits shall be calculated at least once every month.

The following information shall be maintained at the plant by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:

- A. The NO_x, SO₂, and diluent gases (O₂ or CO₂) CEMS emissions data to demonstrate compliance with the emission rates listed in the MAERT. Opacity CEMS data shall be retained to show compliance with Special Condition No. 7.
- B. Raw data files of all CEMS data including calibration checks and adjustments

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- and maintenance performed on these systems in a permanent form suitable for inspection.
- C. Records of the hours of operation and average daily quantity of fuel (by fuel type) fired in the boilers.
 - D. The permit holder shall keep records of SO₂ performance test data and continuous monitor data consisting of rolling three-hour averages considering each hour and the two preceding hours. Compliance with the SO₂ emission rates will be based on the rolling three-hour averages. The permit holder shall report the SO₂ performance test data and continuous monitor data for Unit 3, EPN 3-1B, in the manner prescribed in 40 CFR § 60.49a. Additionally, the permit holder shall report all exceedances of SO₂ limits based on the rolling three-hour averages.
 - E. The permit holder shall keep records of process parameters necessary to demonstrate compliance with the emission sources not equipped with a CEMS. Emission calculations and emissions factors may be changed to reflect newer emission factors or emission factors that are based upon more recent stack sampling provided the new factors do not result in an exceedance of the maximum allowable emission rates.
 - F. To demonstrate compliance with Special Condition No. 5, the permit holder shall make and maintain records of the amount by weight of oil-contaminated wastes burned in the boilers by date and type of waste.
 - G. The permit holder shall keep records used in Special Condition No. 28 that are used to demonstrate compliance with emissions during planned MSS activities.
 - H. The permit holder shall keep records of EPA Method 22 observations of truck loading operations as required by Special Condition No. 8.
 - I. The permit holder shall keep records of the weight of municipal solid waste combusted in each boiler and the weight of all other fuels combusted in each boiler on a calendar quarter basis to show compliance with Special Condition No. 4.E. **(9/14)**

Additional Requirements

- 20. The FPP Unit 3 may operate under wet stack conditions. No reheat of the flue gases will occur after treatment by the flue gas desulfurization system. Under wet

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stack conditions, continuous opacity measurements will be collected from a certified opacity monitor located in the duct work at the outlet of each of the two electrostatic precipitator casings and before the flue gas desulfurization system.

Reporting

21. The holder of this permit shall submit to the TCEQ Austin Regional Office and the Air Enforcement Branch of the EPA in Dallas periodic reports as described in 40 CFR § 60.7. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit. In addition to the information specified in 40 CFR § 60.7(c), each report shall contain the hours of operation of each emissions unit which is required to be continuously monitored and a report summary of the periods of noncomplying emissions for equipment authorized by this permit and subject to NSPS.
22. If the average NO_x or SO₂ stack outlet emissions rate exceeds the maximum allowable emissions rate for more than three hours, the holder of this permit shall investigate and determine the reason for the exceedance and, if needed, make necessary repairs and/or adjustments as soon as possible. If the NO_x or SO₂ emission rate exceeds the emission rate in the MAERT for more than 24 hours, the permit holder shall notify the TCEQ Regional Office either verbally and follow with a written report detailing the cause of the increase in emissions and all efforts being made to correct the problem.

Routine Maintenance, Startup, and Shutdown

23. This permit authorizes the emissions from the planned maintenance, startup, and shutdown (MSS) activities listed in Attachment B, Attachment C, or the MAERT attached to this permit. Attachment B identifies the inherently low emitting (ILE) planned maintenance activities that this permit authorizes to be performed. Attachment C identifies the planned MSS activities that are non-ILE planned maintenance activities that this permit authorizes to be performed.
24. Opacity greater than 20 percent from either EPN FPP-1N or FPP-2N, and opacity greater than 10 percent from EPN 3-1B is authorized when the permit holder complies with the MSS duration limitations and other applicable work practices identified below.
 - A. Emissions during planned startup and shutdown activities shall be minimized by limiting the duration of operation in planned startup and shutdown mode as follows:

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1. A planned startup of the EGF with EPN FPP-1N, FPP-2N, and 3-1B is defined as the period that begins when the fuel oil igniters are started and ends when the EGF is released to the LCRA Generation Desk for automatic dispatch.
 - (a) A planned startup of the EGF shall not exceed 48 hours, except as allowed in Special Condition No. 24 (A)(1)(b).
 - (b) An extended planned startup is defined as a startup that lasts more than 48 hours. The total amount of incremental time the extended startups exceed 48 hours shall not exceed 600 hours per unit on an annual calendar year basis.
 - (c) An aborted startup occurs after startup begins when fuel flow to the EGF is shut-off and the EGF is not released to the LCRA Generation Desk for automatic dispatch. A startup that occurs more than eight hours following fuel shut-off due to an aborted startup is considered a separate startup. A startup occurring less than eight hours following fuel shut-off due to an aborted startup is considered the same startup and may be considered an extended start, if the duration of the aborted startup and the subsequent startup exceeds 48 hours.
 2. A planned shutdown of the EGF with EPN FPP-1N, FPP-2N, and 3-1B is defined as the period that begins when the LCRA Generation Desk releases control of the boiler to the plant for the purpose of a shutdown and ends when a temperature has been reached that allows personnel to enter the structure and conduct maintenance activities.
 - (a) A planned shutdown of the EGF shall not exceed 12 hours, except as allowed in Special Condition No. 24 (A)(2)(b).
 - (b) An extended planned shutdown is defined as a shutdown that lasts more than 12 hours. The total amount of incremental time the extended shutdowns exceed 10 hours shall not exceed 600 hours per unit on an annual calendar year basis.
- B. Emissions during planned startup and shutdown activities shall be minimized by employing the following work practices. The EGF with EPN FPP-1N, FPP-2N, and 3-1B will comply with the boiler and ESP manufacturer's operating procedures or the permittee's written Standard Operating Procedures manual during planned MSS, and will operate in a manner consistent with those procedures to minimize opacity by placing the ESP into service as soon as practical during planned startups once the ESP inlet temperature (air heater outlet temperature) is between 150 and 250 degrees F and removing the ESP from service as late as possible during planned shutdowns, but not longer

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- than the durations identified in Special Condition No. 24 (A). The manufacturer's operating procedures or written Standard Operating Procedure manual shall be located on-site and available to the TCEQ regional investigator.
- C. Periods of opacity greater than 20 percent from either EPN FPP-1N or FPP-2N, and periods of opacity greater than 10 percent from EPN 3-1B from planned online and offline maintenance activities identified in Attachment B or C is authorized for no more than 535 hours in a calendar year for each boiler.
 - D. The permit holder shall keep records to identify periods of planned MSS, the opacity measured by the COMS for the duration of the planned MSS activities, and the work practices in Special Condition No. 24 (B) are followed during the planned MSS activities for the purpose of demonstrating compliance with this permit special condition.
 - E. For periods of maintenance, startup, and shutdown other than those subject to Paragraphs A - C of this condition, 30 TAC § 111.111, 111.153, and Chapter 101, Subchapter F apply.
25. No vacuum pump on a vacuum truck that is used to move solids (such as ash) during planned maintenance activities shall be operated unless the vacuum system exhaust is routed to a filtering system.
26. Vacuum trucks that are used to move liquids with a vapor pressure greater than 0.5 psia during planned maintenance activities shall utilize submerged loading.
27. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows.
- 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 B) 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 MSS activities (See Attachment C) whose emissions are measured using a CEMS, as per Special Condition No. 28A, the permit holder shall compare the pollutant's short-term (hourly) emissions during planned MSS activities as measured by the

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CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

- C. For each pollutant emitted during non-ILE planned MSS activities (See Attachment C) whose emissions occur through a stack, but are not measured using CEMS as per Special Condition No. 28A, the permit holder shall determine the total emissions of the pollutant through the stack that result from such non-ILE planned MSS activities in accordance with Special Condition No. 28B.
 - D. For each pollutant emitted during non-ILE planned MSS activities (See Attachment C) whose emissions do not occur through a stack, the permit holder shall do the following for each calendar month.
 - (1) Determine the total emissions of the pollutant from such non-ILE planned MSS activities in accordance with Special Condition No. 28B.
 - (2) Once monthly emissions have been determined in accordance with Special Condition No. 27D(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall compare the sum of the rolling 12-month emissions for the pollutant for all non-ILE planned MSS activities and the annual potential to emit for the pollutant from all ILE planned MSS activities (as referenced in Special Condition 27A), to the annual emissions limit for the pollutant in the MAERT.
28. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 27 as follows.
- 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. 28A, 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

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using an appropriate method, including but not limited to, any of the methods described in paragraphs 1 through 4 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 (by a CEMS or 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.
- (4) Use of parametric monitoring system (PEMS) data applicable to the facility.

29. 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.

Permits by Rule and Standard Permits

30. The following maintenance activities at the site are currently authorized by permits by rule (PBR) under 30 TAC Chapter 106 or PBR predecessor standard exemptions (SE) to 30 TAC Chapter 116. This list is not intended to be all inclusive and can be altered at the site without modification to this permit.

Description	PBR, SE No.
Routine Maintenance, Startup, and shutdown	106.263
Hand-held and Manually Operated Machines	106.265
Paint Booth	SE-75
Brazing, Soldering, and Welding	106.227
Abrasive Blasting	106.452
Solvent Cleaning, Parts Degreaser	106.454
Portable Small Engines >12 months	106.511

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31. The following facilities at the site are authorized by permits by rule (PBR) under 30 TAC Chapter 106 and by standard permits issued under 30 TAC Chapter 116. This list is not intended to be all inclusive and can be altered at the site without modification to this permit.

EPN	Description	PBR/Standard Permit No.
EG-1&2	Emergency Generator Units 1 &2	106.511
EG-3A	Emergency Generator Unit 3 Auxiliary	106.511
EG-3M	Emergency Generator Unit 3 Main	106.511
DFWP-1&2	Diesel Fire Water Pump Units 1 & 2	106.511
DFWP-3	Diesel Fire Water Pump Unit 3	106.511
AOF140A	Diesel Tank	106.472
AOF140B	Diesel Tank	106.472
AOF168A	Diesel Tank	106.472
AOF168B	Diesel Tank	106.472
AOF141	Diesel Tank	106.472
AOF142	Used Oil Tank	106.472
AOF117	Diesel Tank	106.472
AOF162	Used Oil Tank	106.472
FO-Handle Skimmer	Fuel Oil Handling Fugitives Skimmer	106.472 106.532
API-SEP	Skimmer	106.532
Paint	Paint Booth	SE 75 (4/96)
Mpaint	Maintenance Painting	106.263
Degrease	Degreasers	106.454
Sandblast	Sandblasting	106.452
EG-Comm	Emergency Generator Communication Bldg.	106.511
Orange Pump 07404	Orange Pump (coal pile run-off pond)	106.512
Red Pump 32887	Portable Irrigation Pump	106.511
Blue Pump 05687	Portable Irrigation Pump	106.511
PG 40182	Portable Generator	106.511
PG30753	Portable Generator	106.511
Compressor 40073	Portable Air Compressor	106.511
WM30425	Portable Welding Machine	106.511
WM30426	Portable Welding Machine	106.511

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WM32867	Portable Welding Machine	106.511
WM07439	Portable Welding Machine	106.511
LP40183	Portable Light Plant	106.511
LP40184	Portable Light Plant	106.511
AOF170	Diesel Tank	106.472
AOF171	Diesel Tank	106.472
GASTANK1	Gasoline Tank	106.472
AOF172A	Kerosene Tank	106.472
AOF172B	Kerosene Tank	106.472
AOF115	Used Lube Oil Tank	106.472
AOF186	Used Lube Oil Tank	106.472
AMMONIA U1	Aqueous Ammonia Tank	106.371
AMMONIA U2	Aqueous Ammonia Tank	106.371
AMMONIA U3	Aqueous Ammonia Tank	106.371
ACID TANK U1 & 2	Sulfuric Acid Tank	106.371
ACID TANK U3	Sulfuric Acid Tank	106.371
CAUSTIC TANK U1 & 2	Sodium Hydroxide Tank	106.371
CAUSTIC TANK U3	Sodium Hydroxide Tank	106.371
APC5	Polymer Tank	106.371
APC6	Polymer Tank	106.371
APC7	Polymer Tank	106.371
APC8	Polymer Tank	106.371
APC9	Polymer Tank	106.371
APC10	Polymer Tank	106.371
GAS TANK COALYARD	Gasoline Tank	106.371
WELD	Soldering, Welding, Brazing	106.227
LOV-U1	Unit 1 Lube Oil Vents	SE 58
LOV-U2	Unit 2 Lube Oil Vents	SE58
LOV-U3	Unit 3 Lube Oil Vents	SE53
FPP-1N, FPP-2N, 3-1B	Unit 1, 2, &3 NO _x Emission Controls	52373
3-1B	Unit 3 Scrubber Upgrades	88122

Consent Decree Related Permit Conditions

32. Commencing on December 31, 2013, the holder of this permit will comply with the following emission rates applicable to PM emissions from Unit 1, 2, and 3 boiler stacks, EPNs FPP-1N, FPP-2N, and 3-1B. Compliance will be based upon a 30-day rolling average of hours of operation excluding the following periods of operation:

A. Commencing at the initial firing of fuel in the boiler and ending when steam

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from the boiler is being used to make electricity.

- B. Commencing at the time that steam is no longer used to generate electricity or fuel ceases to be fired, whichever is earlier, and ending when both electricity is not being generated and no fuel is fired in the boiler.
- C. During any sudden, infrequent, not reasonably preventable failure of air pollution control and monitoring equipment, process equipment, or a process to operate in a normal and usual manner. This does not include failures that are caused in part by poor maintenance or careless operation.

Unit Number	Filterable PM (lb/MMBtu)	Total PM (Filterable and Condensable) (lb/MMBtu)
1	0.03	0.04
2	0.03	0.04
3	0.03	0.04

33. Commencing on December 31, 2013, the holder of this permit will comply with the following emission rate applicable to PM emissions from the Unit 3 boiler stack, EPN 3-1B. Compliance will be based upon a 30-day rolling average of hours of operation excluding the following periods of operation:

- A. Commencing at the initial firing of fuel in the boiler and ending when steam from the boiler is being used to make electricity, and any hours of operation following a cold start until Unit 3 is released to the LCRA Generation Desk for automatic dispatch.
- B. Commencing at the time that steam is no longer used to generate electricity or fuel ceases to be fired, whichever is earlier, and ending when both electricity is not being generated and no fuel is fired in the boiler.
- C. During any sudden, infrequent, not reasonably preventable failure of air pollution control and monitoring equipment, process equipment, or a process to operate in a normal and usual manner. This does not include failures that are caused in part by poor maintenance or careless operation.

Unit Number	Filterable PM (lb/MMBtu)	Total PM (Filterable and Condensable) (lb/MMBtu)
3	--	0.03

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34. The holder of this permit shall conduct PM stack testing for a minimum of three (3) two-hour tests runs for each unit (i.e. Unit 1, 2, and 3) on or before September 1, 2014. 40 CFR Part 51, Appendix M Reference Method 202 or 40 CFR Part 60, Appendix A-3, Reference Method 5B, modified to include back-half, will be used for condensable PM during stack tests. Reference Method 5B will be used for filterable PM during these stack tests. The stack test protocol will conform to applicable EPA and TCEQ requirements and guidance. The stack test emission rate for each unit shall be the arithmetic average of all valid runs for each unit conducted during the stack test. The stack test emission rate from the most recent and representative stack test for each unit will be used to demonstrate compliance with the Total PM (filterable and condensable) emission rates in Special Condition Nos. 32 and 33 for the time period between December 31, 2013, and December 31, 2014.
35. The holder of this permit shall install on all three boilers a CEMS to measure and record filterable PM (PM CEMS) on or before November 1, 2014, and complete Performance Specification 11, 40 CFR Part 60, Appendix B on all three boilers on or before December 31, 2014. The PM CEMS will be operated at all times that the unit is operating except during malfunction, repairs and quality assurance and quality control activities. Commencing after December 31, 2014, the PM CEMS will be used to demonstrate compliance with the filterable PM emission limits in Special Condition No. 32 for all three boilers. Commencing after December 31, 2014, the filterable PM emission rate as measured by the PM CEMS will be added to the stack test emissions rate for condensable PM as measured by the most recent and representative stack test for that unit to demonstrate compliance with the Total PM (filterable and condensable) emission limits in Special Condition Nos. 32 and 33.
36. Commencing on December 31, 2013, distillate oil or natural gas shall be the only fuels authorized for the period from initial firing of fuel in the boiler through when the boiler is used to generate electricity of all three boilers.
37. The holder of this permit will provide a copy of the stack reports required by Special Condition No. 34 to Texas Campaign for the Environment and Environmental Integrity Project. The holder of this permit will provide quarterly PM CEMS data to TCEQ Region 11 for public access.

Dated September 23, 2014

Attachment A

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Maximum Allowable Trace Element Concentrations in Fuels Burned in Boilers

Metal	Concentration as ppmw (1)
Antimony	500
Arsenic	60
Barium	3,840
Beryllium	21
Cadmium	25
Chromium	150
Cobalt	192
Copper	270
Lead	752
Manganese	408
Mercury	5.7
Molybdenum	528
Nickel	154
Selenium	70
Silver	50
Thallium	134
Vanadium	328
Zinc	1,140

Notes:

1. Concentrations identified in this table are limitations of specific trace elements in the fuels to be burned and are not stack concentrations. Recognition that these elements are in the fuels is also acknowledgment and authorization for said elements as air contaminant emissions or resulting air contaminants that will also occur from the boiler stacks.

Dated May 2, 2014

Attachment B
 Permit Nos. 51770 and PSDTX486M3
 Inherently Low Emitting (ILE) Planned Maintenance Activities

Planned Maintenance Activity	Emissions				
	VOC	NO _x	CO	PM	SO ₂
Vacuum truck solids loading and unloading				X	
Material handling system maintenance				X	
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS		X			X
Acetylene usage and torch cutting	X	X	X	X	
Sludge management	X				
Miscellaneous maintenance ¹ operations including refractory maintenance repair and replacement				X	
Small equipment fugitive repair and replacement ² (VOC)	X				
Lube oil, diesel and other oil storage tank maintenance emissions	X				
Gasoline storage tank maintenance emissions	X				
Filter change-outs				X	
Boiler maintenance with fans running including boiler deslagging ³	X	X	X	X	

Notes:

1. Includes pre-heater basket handling and maintenance, refractory change-out, fan maintenance and balancing, damper, air heater, and soot blower maintenance, and any other general boiler maintenance that does not exceed the worst-case emissions representation in the application.

2. 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, water treatment chemicals, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service.
3. Includes, but is not limited to, explosive blasting, clinker shooting, and other boiler deslagging activities; does not include dry abrasive blasting that may occur in boilers.

Dated May 2, 2014

Attachment C

Permit Nos. 51770 and PSDTX486M3

Non-Inherently Low Emitting Planned MSS Activities

Planned MSS Activity	Emissions					
	EPN	VOC	NO _x	CO	PM	SO ₂
Boiler optimization ¹	FPP-1N FPP-2N 3-1B	X	X	X	X	X
Use of fans during maintenance - unit offline	FPP-1N FPP-2N 3-1B				X	
Boiler startup and shutdown	FPP-1N FPP-2N 3-1B	X	X	X	X	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.

Dated May 2, 2014

Emission Sources - Maximum Allowable Emission Rates

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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)(5)	TPY (4)(6)
FPP-1N	Unit 1 Steam Electric Generator	VOC	26.30	112.66
		NO _x	1725.63	3004.36
		CO	1296.40	5678.25
		SO ₂	1800.56	1577.29
		H ₂ SO ₄	83.80	155.03
		Pb	0.10	0.33
		PM/PM ₁₀ /PM _{2.5}	274.37	1201.74
		PM (7)	2110.67	-
		PM ₁₀ (7)	554.31	-
		PM _{2.5} (7)	207.39	-
		Pb (7)	0.25	-
		HCl	262.40	99.49
		HF	24.03	32.27
FPP-2N	Unit 2 Steam Electric Generator	VOC	26.30	113.26
		NO _x	1673.89	3020.20
		CO	1716.96	7520.31
		SO ₂	1810.05	1585.61
		H ₂ SO ₄	83.80	155.84
		Pb	0.10	0.33
		PM/PM ₁₀ /PM _{2.5}	275.82	1208.08

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY (4)(6)
		PM (7)	2110.67	-
		PM ₁₀ (7)	554.31	-
		PM _{2.5} (7)	207.39	-
		Pb (7)	0.25	-
		HCl	263.79	100.01
		HF	24.16	32.44
3-1B	Unit 3 Steam Electric Generator	VOC	36.00	101.59
		NO _x	1059.61	2708.94
		CO	920.25	4030.70
		SO ₂	1948.21	2844.39
		H ₂ SO ₄	79.78	139.78
		Pb	0.09	0.29
		PM/PM ₁₀ /PM _{2.5}	123.70	541.79
		PM (7)	1926.92	-
		PM ₁₀ (7)	512.04	-
		PM _{2.5} (7)	196.36	-
		Pb (7)	0.22	-
		HCl	236.60	89.70
		HF	21.67	29.09
FPP-1N, FPP-2N, 3-1B	Final Compliance Cap for Units 1, 2, & 3	VOC	-	276.58
		CO	3738.40	11878.17
		SO ₂	3461.38	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY (4)(6)
		H ₂ SO ₄	155.98	-
		HCl	624.88	-
		HF	66.40	-
FLYASH-1	Flyash Silo-1 Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036
FLYASH-2	Flyash Silo-2 Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036
FLYASH-3	Unit 1 Storage Bin Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036
FLYASH-4	Unit 2 Storage Bin Baghouse	PM/PM ₁₀ /PM _{2.5}	0.020	0.036
3-1A	Ash Collection Baghouse	PM/PM ₁₀ /PM _{2.5}	0.099	0.096
3-2A	Ash Transport Baghouse	PM/PM ₁₀ /PM _{2.5}	0.079	0.096
3-3A	Ash Collection Baghouse	PM/PM ₁₀ /PM _{2.5}	0.099	0.096
3-4A	Ash Transport Baghouse	PM/PM ₁₀ /PM _{2.5}	0.079	0.096
3-1L	Limestone Unloading	PM	0.063	0.013
		PM ₁₀	0.030	0.006
		PM _{2.5}	0.005	0.001
3-2L	Limestone Reclaim	PM	0.032	0.006
		PM ₁₀	0.015	0.003
		PM _{2.5}	0.002	0.001
3-3L	Limestone Stackout	PM	0.006	0.004
		PM ₁₀	0.003	0.002
		PM _{2.5}	0.0005	0.0003
3-4L	Limestone Reclaim	PM	0.006	0.004
		PM ₁₀	0.003	0.002

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY (4)(6)
		PM _{2.5}	0.0005	0.0003
3-5L	Limestone Silo Transfer	PM	0.006	0.002
		PM ₁₀	0.003	0.001
		PM _{2.5}	0.001	0.0002
3-6L	Limestone Crusher	PM	0.300	0.200
		PM ₁₀	0.142	0.095
		PM _{2.5}	0.021	0.014
3-7L	Limestone Crusher	PM	0.300	0.200
		PM ₁₀	0.142	0.095
		PM _{2.5}	0.021	0.014
3-8L	Limestone Crusher	PM	0.300	0.200
		PM ₁₀	0.142	0.095
		PM _{2.5}	0.021	0.014
COAL-1	Coal Railcar Unloading	PM/ PM ₁₀ /PM _{2.5}	0.161	0.233
COAL-2	Coal Transfer	PM/ PM ₁₀ /PM _{2.5}	0.107	0.155
COAL-3	Coal Transfer	PM/ PM ₁₀ /PM _{2.5}	0.107	0.102
COAL-4	Coal Transfer to Pile	PM	0.803	0.765
		PM ₁₀	0.380	0.362
		PM _{2.5}	0.057	0.055
COAL-5	Coal Reclaim 1 & 2	PM/PM ₁₀ /PM _{2.5}	0.054	0.083
COAL-6	Coal Crusher	PM/PM ₁₀ /PM _{2.5}	0.400	0.620
COAL-7	Coal Transfer Surge Bin	PM/ PM ₁₀ /PM _{2.5}	0.027	0.041

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY (4)(6)
COAL-8	Coal Transfer Surge Bin	PM/PM ₁₀ /PM _{2.5}	0.027	0.041
COAL-9	Coal Transfer to Silo Baghouse	PM/ PM ₁₀ /PM _{2.5}	0.027	0.041
COAL-10	Coal Transfer to Silo Baghouse	PM/PM ₁₀ /PM _{2.5}	0.027	0.041
PILE 1 & 2	Coal Piles 1 & 2	PM	5.20	22.78
		PM ₁₀	2.46	10.772
		PM _{2.5}	0.372	1.631
ASH PILE	Combustion By-Product Landfill	PM	1.09	4.79
		PM ₁₀	0.517	2.266
		PM _{2.5}	0.078	0.343
PILE-3A	Unit 3 Active Coal Pile	PM	0.335	1.469
		PM ₁₀	0.159	0.695
		PM _{2.5}	0.024	0.106
PILE 3-D	Unit 3 Dead Coal Pile	PM	1.21	5.30
		PM ₁₀	0.572	2.505
		PM _{2.5}	0.087	0.379
3-2F	Coal Transfer	PM	1.26	1.32
		PM ₁₀	0.598	0.626
		PM _{2.5}	0.091	0.095
3-3F/3-12F	Transfer to Unit 3 Active/Dead Coal Piles	PM	2.11	2.21
		PM ₁₀	0.997	1.044
		PM _{2.5}	0.151	0.158
3-4F	Coal Transfer	PM	0.602	1.324

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY (4)(6)
		PM ₁₀	0.285	0.626
		PM _{2.5}	0.043	0.095
3-5F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.040	0.088
3-6F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	3.000	6.600
3-7F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.040	0.088
3-8F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.080	0.044
3-9F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.080	0.044
3-13F	Coal Transfer Baghouse	PM/PM ₁₀ /PM _{2.5}	0.040	0.088
3-14F	Coal Transfer Baghouse	PM/PM ₁₀ /PM _{2.5}	0.019	0.044
3-15F	Coal Transfer	PM	0.187	0.44
		PM ₁₀	0.089	0.209
		PM _{2.5}	0.013	0.032
3-16F	Coal Transfer	PM/PM ₁₀ /PM _{2.5}	0.084	0.155
3-17F	Coal Transfer	PM	1.26	1.32
		PM ₁₀	0.598	0.626
		PM _{2.5}	0.091	0.095
3-18F	Dead Storage Reclaim	PM	0.401	0.441
		PM ₁₀	0.190	0.209
		PM _{2.5}	0.029	0.032
3-19F	Active Storage Reclaim	PM	0.602	0.662
		PM ₁₀	0.285	0.313
		PM _{2.5}	0.043	0.047

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY (4)(6)
MSSFUG	Storage Tank Maintenance Emissions (ILE)	VOC	182.83	0.30
MSSFUG	Planned Sitewide MSS Activities (ILE)	NO _x	2.43	1.21
		CO	1.49	0.70
		SO ₂	0.01	0.01
		PM	6.20	3.77
		PM ₁₀	3.87	2.83
		PM _{2.5}	0.89	0.36
		VOC	0.90	0.16

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
H₂SO₄ - sulfuric acid mist
Pb - lead
- (4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
- (5) 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.
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period, unless otherwise note in permit special conditions.
- (7) MSS hourly emission limit only. The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Emission Sources - Maximum Allowable Emission Rates

___ Hrs/day ___ Days/week ___ Weeks/year or 8,760 Hrs/year

Date: May 2, 2014