FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Southwestern Public Service Company

AUTHORIZING THE OPERATION OF
Harrington Station Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Potter County, Texas
Latitude 35° 17′ 50″ Longitude 101° 44′ 54″
Regulated Entity Number: RN100224849

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: O15 Issuance Date: April 2, 2025

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, Subparts ZZZZ and UUUUU as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter

113, Subchapter C, § 113.1090 and § 113.1300 which incorporates the 40 CFR Part 63 Subpart by reference.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

      (ii) Title 30 TAC § 111.111(a)(1)(E)

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

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

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

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

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

(3) Records of all observations shall be maintained.

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

(5) Compliance Certification:

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

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

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

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

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

C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

D. 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 § 111.211 (relating to Exception for Prescribed Burn)

(iv) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(v) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

6. 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 or minimum frequency 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.

7. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent

with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated January 28, 2025 in the application for project 24617), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

9. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

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

11. 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. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing

required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

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

Protection of Stratospheric Ozone

14. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

    A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Temporary Fuel Shortages (30 TAC § 112.15)

15. 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

16. 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)

17. 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

18. For UNIT 1, UNIT 2 and UNIT 3 (identified in the Certificate of Representation as units 061B, 062B and 063B), located at the site identified by ORIS/Facility code 6193, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

19. For units (insert unit ID numbers for units subject to Acid Rain) (identified in the Certificate of Representation as units (insert EPA unit ID numbers)), located at the affected source identified by ORIS/Facility/Plant code (insert the ORIS/Facility/Plant ID), 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 in 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

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

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

G. Liability

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

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

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

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

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

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

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

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

20. For units UNIT 1, UNIT 2 and UNIT 3 (identified in the Certificate of Representation as units 061B, 062B and 063B), located at the site identified by ORIS/Facility code 6193, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

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

(ii) The owners and operators of the CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

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

(1) For UNIT 1, UNIT 2, and UNIT 3, the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x and heat input.

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

recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

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

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

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

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

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

A. Designated representative requirements

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

B. Emissions monitoring, reporting, and recordkeeping requirements

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

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

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

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

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

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824(d); and

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

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such

control period under 40 CFR § 97.825(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825(b), of multiplying -

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

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

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

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

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

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

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

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

(iii) Compliance periods

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

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

(iv) Vintage of allowances held for compliance

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

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

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

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

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

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

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

D. FOP revision requirements

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

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

E. Additional recordkeeping and reporting requirements

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

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

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

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

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

F. Liability

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

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated

representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

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

Federal Implementation Plan for Regional Haze (Texas SO_2 Trading Program) Requirements

22. For UNIT 1, UNIT 2 and UNIT 3 (identified in the Certificate of Representation as units 061B, 062B and 063B), located at the site identified by ORIS/Facility code 6193, the designated representative and the owner or operator, as applicable, shall comply with the following Texas SO_2 Trading Program requirements.

A. General Requirements

(i) The owners and operators of the Texas SO_2 Trading Program source and each Texas SO_2 Trading Program unit at the source shall operate the source and the unit in compliance with the requirements of the Texas SO_2 Trading Program and all other applicable State and federal requirements.

(ii) The owners and operators of the Texas SO_2 Trading Program source and each Texas SO_2 Trading Program unit at the source shall comply with the requirements of 40 CFR Part 97, Subpart FFFFF for Texas SO_2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the Texas SO_2 Trading Program requirements.

B. Description of Monitoring Provisions

(i) The Texas SO_2 Trading Program subject unit(s), and the unit-specific monitoring provisions at this source, are identified in the following paragraph(s).

(1) For UNIT 1, UNIT 2 and UNIT 3, the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.930 through 97.935 (Texas SO_2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the Texas SO_2 Trading Program.

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

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.935 (Texas SO_2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.930 through 97.934 (Texas SO_2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.935 (Texas SO_2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit(s) included above meet the requirement of 40 CFR §§ 97.930 through 97.934 (Texas SO_2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

23. Texas SO_2 Trading Program Requirements (40 CFR § 97.906)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.913 through 97.918.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each Texas SO_2 source and each Texas SO_2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.930 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.931 (initial monitoring system certification and recertification procedures), § 97.932 (monitoring system out-of-control periods), § 97.933 (notifications concerning monitoring), § 97.934 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.935 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with §§ 97.930 through 97.935 shall be used to calculate allocations of Texas SO_2 Trading Program allowances under § 97.912 and to determine compliance with the Texas SO_2 Trading Program emissions limitation under paragraph (c) of this section, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with §§ 97.930 through 97.935 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero and any fraction of a ton greater than or equal to 0.50 being deemed to be a whole ton.

C. SO_2 emissions requirements

(i) Texas SO_2 Trading Program emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each Texas SO_2 Trading Program source and each Texas SO_2 Trading Program unit at the source shall hold, in the source's compliance account, Texas SO_2 Trading Program allowances available for deduction for such control period under § 97.924(a) in an amount not less than the tons of total SO_2 emissions for such control period from all Texas SO_2 Trading Program units at the source.

(2) If total SO_2 emissions during a control period in a given year from the Texas SO_2 Trading Program units at a Texas SO_2 Trading Program source are in excess of the Texas SO_2 Trading Program emissions limitation set forth in paragraph C.(i)(1) of this section, then:

(a) The owners and operators of the source and each Texas SO_2 Trading Program unit at the source shall hold the Texas SO_2 Trading Program allowances required for deduction under § 97.924(d); and

(b) The owners and operators of the source and each Texas SO_2 Trading Program unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart and the Clean Air Act.

(ii) Compliance periods. A Texas SO_2 Trading Program unit shall be subject to the requirements under paragraph C.(i) of this section for the control period starting on the later of January 1, 2019 or the deadline for meeting the unit's monitor certification requirements under § 97.930(b) and for each control period thereafter.

(iii) Vintage of allowances held for compliance

(1) A Texas SO_2 Trading Program allowance held for compliance with the requirements under paragraph C.(i)(1) of this section for a control period in a given year must be a Texas SO_2 Trading Program allowance that was allocated for such control period or a control period in a prior year.

(2) A Texas SO_2 Trading Program allowance held for compliance with the requirements under paragraph C.(i)(2)(a) of this section for a control period in a given year must be a Texas SO_2 Trading Program allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(iv) Allowance Management System requirements. Each Texas SO_2 Trading Program allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart FFFFF.

(v) Limited authorization. A Texas SO_2 Trading Program allowance is a limited authorization to emit one ton of SO_2 during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the Texas SO_2 Trading Program; and

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

(vi) Property right. A Texas SO_2 Trading Program allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of Texas SO_2 Trading Program allowances in accordance with 40 CFR Part 97, Subpart FFFFF.

(ii) This FOP incorporates the Texas SO_2 Trading Program emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.930 through 97.935, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart B), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of Monitoring Provisions for Texas SO_2 Trading Program subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each Texas SO_2 Trading Program source and each Texas SO_2 Trading Program unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under § 97.916 for the designated representative for the source and each Texas SO_2 Trading Program unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under § 97.916 changing the designated representative.

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

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the Texas SO_2 Trading Program.

(ii) The designated representative of a Texas SO_2 Trading Program source and each Texas SO_2 Trading Program unit at the source shall make all submissions required under the Texas SO_2 Trading Program, except as provided in § 97.918. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the Texas SO_2 Trading Program that applies to a Texas SO_2 Trading Program source or the designated representative of a Texas SO_2 Trading Program source shall also apply to the owners and operators of such source and of the Texas SO_2 Trading Program units at the source.

(ii) Any provision of the Texas SO_2 Trading Program that applies to a Texas SO_2 Trading Program unit or the designated representative of a Texas SO_2 Trading Program unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the Texas SO_2 Trading Program or exemption under § 97.905 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a Texas SO_2 Trading Program source or Texas SO_2 Trading Program unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary **25**

Applicable Requirements Summary **28**

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
1-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
2-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
3-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
DFP	SRIC ENGINES	N/A	63 ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EG-2	SRIC ENGINES	N/A	60 IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
EG-2	SRIC ENGINES	N/A	63 ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EG-3	SRIC ENGINES	N/A	60 IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
EG-3	SRIC ENGINES	N/A	63 ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-VENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	1-2, 1-2A, 1-2B, 1-3, 2-2, 2-2A, 2-2B, 2-3, 3-2, 3-2A, 3-2B, 3-3, DFP, WS-N, WS-S	R1111-0001	30 TAC Chapter 111, Visible Emissions	No changing attributes.
UNIT 1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R1111	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
UNIT 1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #2 = Natural gas., D-Series Fuel Type #1 = Solid fossil fuel (fuel that is not lignite, at least 25% coal refuse, or at least 25% lignite mined in North Dakota,

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					South Dakota, or Montana.
UNIT 1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Solid fossil fuel (fuel that is not lignite, at least 25% coal refuse, or at least 25% lignite mined in North Dakota, South Dakota, or Montana.
UNIT 1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Natural gas.
UNIT 1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63UUUUU-1	40 CFR Part 63, Subpart UUUUU	No changing attributes.
UNIT 2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R1111	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
UNIT 2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #2 = Natural gas., D-Series Fuel Type #1 = Solid fossil fuel (fuel that is not lignite, at least 25% coal refuse, or at least 25% lignite mined in North Dakota, South Dakota, or Montana.
UNIT 2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Solid fossil fuel (fuel that is not lignite, at least 25% coal refuse, or at least 25% lignite mined in North Dakota, South Dakota, or Montana.
UNIT 2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Natural gas.
UNIT 2	BOILERS/STEAM GENERATORS/STEAM	N/A	63UUUUU-1	40 CFR Part 63, Subpart UUUUU	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	GENERATING UNITS				
UNIT 3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R1111	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
UNIT 3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-1	40 CFR Part 60, Subpart D	D-Series Fuel Type #2 = Natural gas., D-Series Fuel Type #1 = Solid fossil fuel (fuel that is not lignite, at least 25% coal refuse, or at least 25% lignite mined in North Dakota, South Dakota, or Montana.
UNIT 3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-2	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Solid fossil fuel (fuel that is not lignite, at least 25% coal refuse, or at least 25% lignite mined in North Dakota, South Dakota, or Montana.
UNIT 3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60-3	40 CFR Part 60, Subpart D	D-Series Fuel Type #1 = Natural gas.
UNIT 3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63UUUUU-3	40 CFR Part 63, Subpart UUUUU	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)
1-1	EP	R111-1	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
2-1	EP	R111-1	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
3-1	EP	R111-1	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
DFP	EU	63 ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EG-2	EU	60 IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042-Appendix I § 60.4202(e)(3) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(e)-(f), 40 CFR 1042.101, and 40 CFR 1042-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EG-2	EU	60 IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042-Appendix I § 60.4202(e)(3) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 15 liters per cylinder and less than 30 liters per cylinder and is a 2007 - 2013 model year must comply with a PM emission limit of 0.50 g/KW-hr, as stated in 40 CFR 60.4202(e)(1), (e)(3) and 40 CFR 1042-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EG-2	EU	60 IIII	Total Hydrocarbons/NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042-Appendix I § 60.4202(e)(3) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power less than 3300 KW and a displacement of greater than or equal to 15 liters per cylinder and less than 20	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						liters per cylinder and is a 2013 model year must comply with a THC+NOx emission limit of 8.7 g/KW-hr, as stated in 40 CFR 60.4202(e)(3) and 40 CFR 1042-Appendix I.			
EG-2	EU	63 ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f).	None	None	§ 63.6645(f)
EG-3	EU	60 IIII	NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(a) § 1042-Appendix I § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a pre-2007 model year must comply with the following NOx emission limits: 17.0 g/KW-hr when maximum test speed is less than 130 rpm, 45.0 x N-0.20 when maximum test speed is at least 130 but less than 2000 rpm, and 9.8 g/KW-hr when maximum test speed is 2000 rpm or more, as listed in 40 CFR 1042-App	§ 60.4209(a)	§ 60.4211(b)(3) § 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EG-3	EU	63 ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f).	None	None	§ 63.6645(f)
GRP-VENT	EP	R1111-0001	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 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.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 1	EU	R1111	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 CAM Summary	None	None
UNIT 1	EU	60-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c), (d), and (e), 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)	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)
							§ 60.46(d)(7) ** See Periodic Monitoring Summary		
UNIT 1	EU	60-1	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 test, 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
UNIT 1	EU	60-1	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(b)(1)	Southwestern Public Service Company's Harrington Station #1, shall not discharge any gases with opacity greater than 35%, except at a maximum of 42% for not more than six minutes in any hour.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)(i) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
UNIT 1	EU	60-1	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 (in 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) ** See Periodic Monitoring Summary		
UNIT 1	EU	60-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(3)	On/after the §60.8 test, no affected facility shall emit gases containing NO_x, expressed as NO_2 in excess of 300 ng/J heat input (0.70 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue (except lignite or a solid fossil fuel containing 25 percent, by weight, or more of coal refuse).	§ 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
UNIT 1	EU	60-2	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 test, 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
UNIT 1	EU	60-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(b)(1)	Southwestern Public Service Company's Harrington Station #1, shall not discharge any gases with opacity greater than 35%, except at a maximum of 42% for not more than six	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)(i) § 60.46(a) § 60.46(b)(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)
						minutes in any hour.	** See CAM Summary		
UNIT 1	EU	60-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 test, 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) ** See Periodic Monitoring Summary	None	§ 60.45(g)
UNIT 1	EU	60-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 test, no affected facility shall emit gases containing NO_x, expressed as NO_2 in excess of 86 ng/J heat input (0.20 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
UNIT 1	EU	63UUUUU-1	Hydrogen Chloride	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.b	For existing coal-fired unit not low rank virgin coal,	§ 63.10000(c)(1) § 63.10000(c)(1)(v)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2)	§ 63.10000(d)(3) § 63.10000(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4	hydrogen chloride limit is 0.002 lb/MMBtu heat input. For Method 26A at appendix A–8 to part 60 of this chapter, collect a minimum of 0.75 dscm per run; for Method 26, collect a minimum of 120 liters per run. For ASTM D6348–03 or Method 320 at appendix A to part 63 of this chapter, sample for a minimum of 1 hour.	§ 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(1) § 63.10006(b)(1) [G]§ 63.10006(f)(1) § 63.10006(f)(2) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10006(h) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.3 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) § 63.10010(e) § 63.10011(a) § 63.10011(c)(1) § 63.10011(e) § 63.10020(a) § 63.10020(b)	[G]§ 63.10000(d)(5) § 63.10000(l) § 63.10000(m)(2) [G]§ 63.10005(b) § 63.10005(f) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10000(m)(2) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(3) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(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)
							§ 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1 § 63.10021(d) § 63.10021(d)(1) § 63.10021(d)(2) § 63.10021(d)-Table 7.4		
UNIT 1	EU	63UUUUU-1	Mercury	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.c § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-	For existing coal-fired unit not low rank virgin coal, mercury limit is 1.0 lb/TBtu heat input. LEE Testing for 90 days with a sampling period consistent with that given in section 5.2.1 of appendix A to this subpart per Method 30B run or Hg CEMS or sorbent trap monitoring system only.	§ 63.10000(c)(1) [G]§ 63.10000(c)(1)(vi) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(3) § 63.10006(b)(2) [G]§ 63.10006(f)(1) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.4 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) [G]§ 63.10005(b) § 63.10005(f) [G]§ 63.10010(j) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10000(d)(3) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(2) § 63.10031(f)(3) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(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)
					Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.c § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4		§ 63.10010(b) § 63.10010(c) § 63.10010(d) § 63.10010(g) [G]§ 63.10010(j) § 63.10011(a) § 63.10011(c)(1) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1		
UNIT 1	EU	63UUUUU-1	PM	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.a § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-	For existing coal-fired unit not low rank virgin coal, filterable PM limit is 0.03 lb/MMBtu heat input. Collect a minimum of 1 dscm per run.	§ 63.10000(c)(1) § 63.10000(c)(1)(iv) § 63.10000(c)(1)(iv)(B) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(1) [G]§ 63.10005(d)(2) § 63.10006(b)(1) [G]§ 63.10006(f)(1) § 63.10006(f)(2) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10006(h)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) § 63.10000(l) § 63.10000(m)(2) [G]§ 63.10005(b) § 63.10005(f) [G]§ 63.10010(i) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10000(d)(3) § 63.10000(l) § 63.10000(m)(2) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4		§ 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.1 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) [G]§ 63.10010(i) § 63.10011(a) § 63.10011(c)(1) § 63.10011(c)(2) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1 § 63.10021(d) § 63.10021(d)(1) § 63.10021(d)(2) § 63.10021(d)-Table 7.4		§ 63.10031(f)(1) § 63.10031(f)(2) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(g)
UNIT 2	EU	R1111	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	** See CAM Summary	None	None

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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)
						suspended particulate per million Btu heat input, averaged over a two-hour period.			
UNIT 2	EU	60-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c), (d), and (e), 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
UNIT 2	EU	60-1	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 test, 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
UNIT 2	EU	60-1	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(b)(1)	Southwestern Public Service Company's Harrington Station #1, shall not discharge any gases with opacity greater than 35%, except at a maximum of 42% for not more than six minutes in any hour.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)(i) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
UNIT 2	EU	60-1	SO_2	40 CFR Part 60,	§ 60.43(b)	When different fossil fuels	§ 60.45(a)	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)
				Subpart D	§ 60.43(c)	are burned simultaneously in any combination, the applicable standard (in ng/J) shall be determined by proration using the specified formula.	§ 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) ** See Periodic Monitoring Summary		
UNIT 2	EU	60-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(3)	On/after the §60.8 test, no affected facility shall emit gases containing NO_x, expressed as NO_2 in excess of 300 ng/J heat input (0.70 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue (except lignite or a solid fossil fuel containing 25 percent, by weight, or more of coal refuse).	§ 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
UNIT 2	EU	60-2	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 test, no affected facility shall emit gases containing particulate	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2)	None	None

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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)
						matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	[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		
UNIT 2	EU	60-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(b)(1)	Southwestern Public Service Company's Harrington Station #1, shall not discharge any gases with opacity greater than 35%, except at a maximum of 42% for not more than six minutes in any hour.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)(i) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
UNIT 2	EU	60-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 test, 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) ** See Periodic Monitoring Summary	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)
UNIT 2	EU	60-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 test, no affected facility shall emit gases containing NO_x, expressed as NO_2 in excess of 86 ng/J heat input (0.20 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
UNIT 2	EU	63UUUUU-1	Hydrogen Chloride	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.b § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7	For existing coal-fired unit not low rank virgin coal, hydrogen chloride limit is 0.002 lb/MMBtu heat input. For Method 26A at appendix A–8 to part 60 of this chapter, collect a minimum of 0.75 dscm per run; for Method 26, collect a minimum of 120 liters per run. For ASTM D6348–03 or Method 320 at appendix A to part 63 of this chapter, sample for a minimum of 1 hour.	§ 63.10000(c)(1) § 63.10000(c)(1)(v) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(1) § 63.10006(b)(1) [G]§ 63.10006(f)(1) § 63.10006(f)(2) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10006(h) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.3 § 63.10007(d)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) § 63.10000(l) § 63.10000(m)(2) [G]§ 63.10005(b) § 63.10005(f) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10000(d)(3) § 63.10000(l) § 63.10000(m)(2) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(3) § 63.10031(f)(4)

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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]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4		§ 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) § 63.10010(e) § 63.10011(a) § 63.10011(c)(1) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1 § 63.10021(d) § 63.10021(d)(1) § 63.10021(d)(2) § 63.10021(d)-Table 7.4		§ 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(g)
UNIT 2	EU	63UUUUU-1	Mercury	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.c § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i)	For existing coal-fired unit not low rank virgin coal, mercury limit is 1.0 lb/TBtu heat input. LEE Testing for 90 days with a sampling period consistent with that given in section 5.2.1 of appendix A to this subpart per Method 30B run or Hg CEMS or sorbent trap monitoring system only.	§ 63.10000(c)(1) [G]§ 63.10000(c)(1)(vi) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(3) § 63.10006(b)(2) [G]§ 63.10006(f)(1)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) [G]§ 63.10005(b) § 63.10005(f) [G]§ 63.10010(j) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f)	§ 63.10000(d)(3) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.c § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4		[G]§ 63.10006(f)(3) § 63.10006(g) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.4 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) § 63.10010(g) [G]§ 63.10010(j) § 63.10011(a) § 63.10011(c)(1) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1	§ 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(2) § 63.10031(f)(3) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(g)
UNIT 2	EU	63UUUUU-1	PM	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.a § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10000(l)	For existing coal-fired unit not low rank virgin coal, filterable PM limit is 0.03 lb/MMBtu heat input. Collect a minimum of 1 dscm per run.	§ 63.10000(c)(1) § 63.10000(c)(1)(iv) § 63.10000(c)(1)(iv)(B) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) § 63.10000(l) § 63.10000(m)(2) [G]§ 63.10005(b) § 63.10005(f) [G]§ 63.10010(i) § 63.10020(a)	§ 63.10000(d)(3) § 63.10000(l) § 63.10000(m)(2) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(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)
					§ 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4		§ 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(1) [G]§ 63.10005(d)(2) § 63.10006(b)(1) [G]§ 63.10006(f)(1) § 63.10006(f)(2) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10006(h) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.1 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) [G]§ 63.10010(i) § 63.10011(a) § 63.10011(c)(1) § 63.10011(c)(2) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a)	§ 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(2) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(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)
							§ 63.10021(b) § 63.10021(b)-Table 7.1 § 63.10021(d) § 63.10021(d)(1) § 63.10021(d)(2) § 63.10021(d)-Table 7.4		
UNIT 3	EU	R1111	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 CAM Summary	None	None
UNIT 3	EU	60-1	NO_X	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c), (d), and (e), 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
UNIT 3	EU	60-1	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 test, 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	§ 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)	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)
						residue.	§ 60.46(d)(7) ** See CAM Summary		
UNIT 3	EU	60-1	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(b)(1)	Southwestern Public Service Company's Harrington Station #1, shall not discharge any gases with opacity greater than 35%, except at a maximum of 42% for not more than six minutes in any hour.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)(i) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
UNIT 3	EU	60-1	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 (in 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) ** See Periodic Monitoring Summary	None	§ 60.45(g)
UNIT 3	EU	60-2	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(3)	On/after the §60.8 test, no affected facility shall emit	§ 60.45(b)(3) § 60.45(b)(4)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases containing NO_x, expressed as NO_2 in excess of 300 ng/J heat input (0.70 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue (except lignite or a solid fossil fuel containing 25 percent, by weight, or more of coal refuse).	§ 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		
UNIT 3	EU	60-2	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 test, 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
UNIT 3	EU	60-2	PM (Opacity)	40 CFR Part 60, Subpart D	§ 60.42(b)(1)	Southwestern Public Service Company's Harrington Station #1, shall not discharge any gases with opacity greater than 35%, except at a maximum of 42% for not more than six minutes in any hour.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)(i) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
UNIT 3	EU	60-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 test, 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)	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)
							§ 60.45(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) ** See Periodic Monitoring Summary		
UNIT 3	EU	60-3	NO_X	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 test, no affected facility shall emit gases containing NO_x, expressed as NO_2 in excess of 86 ng/J heat input (0.20 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
UNIT 3	EU	63UUUUU-3	Hydrogen Chloride	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.b § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(d)	For existing coal-fired unit not low rank virgin coal, hydrogen chloride limit is 0.002 lb/MMBtu heat input. For Method 26A at appendix A–8 to part 60 of this chapter, collect a minimum of 0.75 dscm per run; for Method 26, collect a minimum of 120 liters per run. For ASTM D6348–03 or Method 320 at appendix A to part 63 of this chapter,	§ 63.10000(c)(1) § 63.10000(c)(1)(v) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) § 63.10000(l) § 63.10000(m)(2) [G]§ 63.10005(b) § 63.10005(f) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c)	§ 63.10000(d)(3) § 63.10000(l) § 63.10000(m)(2) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(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)
					§ 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4	sample for a minimum of 1 hour.	§ 63.10005(d)(1) § 63.10006(b)(1) [G]§ 63.10006(f)(1) § 63.10006(f)(2) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10006(h) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.3 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) § 63.10010(e) § 63.10011(a) § 63.10011(c)(1) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1 § 63.10021(d) § 63.10021(d)(1) § 63.10021(d)(2) § 63.10021(d)-Table 7.4	[G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(3) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(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)
UNIT 3	EU	63UUUUU-3	Mercury	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.c § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1) § 63.9991(a)(1)-Table 3.3.c § 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4	For existing coal-fired unit not low rank virgin coal, mercury limit is 1.0 lb/TBtu heat input. LEE Testing for 90 days with a sampling period consistent with that given in section 5.2.1 of appendix A to this subpart per Method 30B run or Hg CEMS or sorbent trap monitoring system only.	§ 63.10000(c)(1) [G]§ 63.10000(c)(1)(vi) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(3) § 63.10006(b)(2) [G]§ 63.10006(f)(1) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.4 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1) § 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) § 63.10010(g) [G]§ 63.10010(j) § 63.10011(a) § 63.10011(c)(1) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) [G]§ 63.10005(b) § 63.10005(f) [G]§ 63.10010(j) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10000(d)(3) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(2) § 63.10031(f)(3) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(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)
							§ 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1		
UNIT 3	EU	63UUUUU-3	PM	40 CFR Part 63, Subpart UUUUU	§ 63.9991(a)(1)-Table 2.1.a § 63.10000(a) § 63.10000(b) § 63.10000(d)(1) [G]§ 63.10000(d)(2) § 63.10000(d)(4) § 63.10000(e) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(d) § 63.10005(e) § 63.10005(f) § 63.10005(j) [G]§ 63.10006(i) § 63.10007(e) § 63.10011(f)(1) § 63.10011(f)(2) [G]§ 63.10011(g) § 63.10021(e)-Table 7.5 § 63.10021(e)-Table 7.6 § 63.10021(e)-Table 7.7 [G]§ 63.10021(e) [G]§ 63.10021(h) § 63.10040 § 63.9991(a)(1) § 63.9991(a)(1)-Table 3.1 § 63.9991(a)(1)-Table 3.3.a.(1)	For existing coal-fired unit not low rank virgin coal, filterable PM limit is 0.03 lb/MMBtu heat input. Collect a minimum of 1 dscm per run.	§ 63.10000(c)(1) § 63.10000(c)(1)(iv) § 63.10000(c)(1)(iv)(B) § 63.10000(l) § 63.10000(m) § 63.10000(m)(1) § 63.10005(a) § 63.10005(a)(1) § 63.10005(a)(2) § 63.10005(a)(2)(i) § 63.10005(a)(2)(ii) [G]§ 63.10005(a)(2)(iii) [G]§ 63.10005(b) § 63.10005(d)(1) [G]§ 63.10005(d)(2) § 63.10006(b)(1) [G]§ 63.10006(f)(1) § 63.10006(f)(2) [G]§ 63.10006(f)(3) § 63.10006(g) § 63.10006(h) § 63.10007(a) § 63.10007(a)(1) § 63.10007(a)(2) § 63.10007(b) § 63.10007(b)-Table 5.1 § 63.10007(d) § 63.10007(e)(1) [G]§ 63.10007(e)(2) § 63.10007(f) [G]§ 63.10007(f)(1)	§ 63.10000(d)(1) [G]§ 63.10000(d)(2) [G]§ 63.10000(d)(5) § 63.10000(l) § 63.10000(m)(2) [G]§ 63.10005(b) § 63.10005(f) [G]§ 63.10010(i) § 63.10020(a) § 63.10020(b) § 63.10020(d) [G]§ 63.10032(a) [G]§ 63.10032(b) § 63.10032(c) [G]§ 63.10032(d) [G]§ 63.10032(f) § 63.10032(g) § 63.10032(h) § 63.10032(i) § 63.10033(a) § 63.10033(b) § 63.10033(c)	§ 63.10000(d)(3) § 63.10000(l) § 63.10000(m)(2) § 63.10005(k) § 63.10021(f) § 63.10021(g) § 63.10021(i) § 63.10030(a) § 63.10030(b) § 63.10030(d) [G]§ 63.10030(e) § 63.10030(f) § 63.10031(a) § 63.10031(a)-Table 8.1.a § 63.10031(a)-Table 8.1.b § 63.10031(a)-Table 8.1.c [G]§ 63.10031(b) [G]§ 63.10031(c) § 63.10031(d) § 63.10031(e) § 63.10031(f) § 63.10031(f)(1) § 63.10031(f)(2) § 63.10031(f)(4) § 63.10031(f)(5) [G]§ 63.10031(f)(6) § 63.10031(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)
					§ 63.9991(a)(1)-Table 3.3.d § 63.9991(a)(1)-Table 3.4		§ 63.10007(f)(2) § 63.10010(a)(1) § 63.10010(b) § 63.10010(c) § 63.10010(d) [G]§ 63.10010(i) § 63.10011(a) § 63.10011(c)(1) § 63.10011(c)(2) § 63.10011(e) § 63.10020(a) § 63.10020(b) § 63.10020(c) § 63.10021(a) § 63.10021(b) § 63.10021(b)-Table 7.1 § 63.10021(d) § 63.10021(d)(1) § 63.10021(d)(2) § 63.10021(d)-Table 7.4		

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary 55

Periodic Monitoring Summary 70

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: ESP-1	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1111
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except one six-minute period per hour up to six hours in ten days.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: ESP-1	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: ESP 1	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: PM (Opacity)	Main Standard: § 60.42(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: ESP-1	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: ESP-1	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: PM (Opacity)	Main Standard: § 60.42(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 2	
Control Device ID No.: BH-2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1111
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except one six-minute period per hour up to six hours in ten days.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 2	
Control Device ID No.: BH2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 2	
Control Device ID No.: BH2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: PM (Opacity)	Main Standard: § 60.42(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 2	
Control Device ID No.: BH2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 2	
Control Device ID No.: BH2	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: PM (Opacity)	Main Standard: § 60.42(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: BH-3	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1111
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except one six-minute period per hour up to six hours in ten days.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: BH3	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: BH3	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: PM (Opacity)	Main Standard: § 60.42(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: BH3	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: BH3	Control Device Type: Fabric filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: PM (Opacity)	Main Standard: § 60.42(b)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% opacity, except for one six-minute period per hour of not more than 27% opacity.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-VENT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-0001
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per quarter	
Averaging Period: 6 minutes	
Deviation Limit: Visible emissions > 20%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded during each calendar quarter unless the emission unit is not operating for the entire quarter. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emission observations. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: When multiple fuels are burned simultaneously, maximum NOx concentration is determined by proration using the formula in 60.44(b)	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Stack SO2 rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 1.2 lb SO2/MMBtu	
Periodic Monitoring Text: Measure and record the concentration of sulfur dioxide (SO2) in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: NO_X	Main Standard: § 60.44(a)(3)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 0.20 lb NOx (expressed as NO2)/MMBtu	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: SO_2	Main Standard: § 60.43(a)(2)
Monitoring Information	
Indicator: Stack SO2 rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 1.2 lb SO2/MMBtu	
Periodic Monitoring Text: Measure and record the concentration of sulfur dioxide (SO2) in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-3
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 0.20 lb NOx (expressed as NO2)/MMBtu	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 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.: 60-1
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: When multiple fuels are burned simultaneously, applicable standard is determined by proration using the formula in 60.44(b).	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 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.: 60-1
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Stack SO2 rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 1.2 lb SO2/MMBtu	
Periodic Monitoring Text: Measure and record the concentration of sulfur dioxide (SO2) in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 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.: 60-2
Pollutant: NO_X	Main Standard: § 60.44(a)(3)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 0.20 lb NOx (expressed as NO2)/MMBtu	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 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.: 60-2
Pollutant: SO_2	Main Standard: § 60.43(a)(2)
Monitoring Information	
Indicator: Stack SO2 rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 1.2 lb SO2/MMBtu	
Periodic Monitoring Text: Measure and record the concentration of sulfur dioxide (SO2) in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 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.: 60-3
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 0.2 lb NOx/MMBtu	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: NO_X	Main Standard: § 60.44(b)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: When multiple fuels are burned simultaneously, maximum NOx concentration is determined by proration using the formula in 60.44(b).	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-1
Pollutant: SO_2	Main Standard: § 60.43(b)
Monitoring Information	
Indicator: Stack SO2 rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 1.2 lb SO2/MMBtu	
Periodic Monitoring Text: Measure and record the concentration of sulfur dioxide (SO2) in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: NO_X	Main Standard: § 60.44(a)(3)
Monitoring Information	
Indicator: Stack NOx rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 0.20 lb NOx (expressed as NO2)/MMBtu	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-2
Pollutant: SO_2	Main Standard: § 60.43(a)(2)
Monitoring Information	
Indicator: Stack SO2 rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 1.2 lb SO2/MMBtu	
Periodic Monitoring Text: Measure and record the concentration of sulfur dioxide (SO2) in the exhaust stream with a continuous emission monitoring system (CEMS). The CEMS shall be installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60-3
Pollutant: NO_X	Main Standard: § 60.44(a)(1)
Monitoring Information	
Indicator: Stack NOX rate	
Minimum Frequency: Four times per hour	
Averaging Period: Three hours	
Deviation Limit: Maximum concentration = 0.2 lb NOx/MMBtu	
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 installed and operated in accordance with the requirements of 40 CFR §75.10(b), (d)(1), and (d)(2). All quality assured, valid monitoring data shall be compared to the applicable standard. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

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Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 1	N/A	40 CFR Part 60, Subpart Da	Unit construction began prior to September 18, 1978
UNIT 1	N/A	40 CFR Part 60, Subpart Db	Unit is not a commercial boiler, and was built prior to June 19, 1981
UNIT 1	N/A	40 CFR Part 60, Subpart Dc	Unit is not a small commercial boiler, and was built prior to June 9, 1989
UNIT 2	N/A	40 CFR Part 60, Subpart Da	Unit construction began prior to September 18, 1978
UNIT 2	N/A	40 CFR Part 60, Subpart Db	Unit is not a commercial boiler, and was built prior to June 19, 1981
UNIT 2	N/A	40 CFR Part 60, Subpart Dc	Unit is not a small commercial boiler, and was built prior to June 9, 1989
UNIT 3	N/A	40 CFR Part 60, Subpart Da	Unit construction began prior to September 18, 1978
UNIT 3	N/A	40 CFR Part 60, Subpart Db	Unit is not a commercial boiler, and was built prior to June 19, 1981
UNIT 3	N/A	40 CFR Part 60, Subpart Dc	Unit is not a small commercial boiler, and was built prior to June 9, 1989

New Source Review Authorization References

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New Source Review Authorization References by Emission Unit 90

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.: PSDTX017M2	Issuance Date: 04/28/2022
PSD Permit No.: PSDTX631M1	Issuance Date: 06/06/2024
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.: 1388	Issuance Date: 06/06/2024
Authorization No.: 5129	Issuance Date: 04/28/2022
Authorization No.: 93027	Issuance Date: 03/05/2020
Authorization No.: 108023	Issuance Date: 06/09/2022
Authorization No.: 108024	Issuance Date: 06/09/2022
Authorization No.: 113945	Issuance Date: 04/19/2023
Authorization No.: 114029	Issuance Date: 04/19/2023
Authorization No.: 164552	Issuance Date: 10/04/2022
Authorization No.: 164554	Issuance Date: 09/29/2022
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 8	Version No./Date: 06/07/1996
Number: 51	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 05/04/1994
Number: 53	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 11/05/1986
Number: 106.144	Version No./Date: 11/01/2001
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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**
1-1	UNIT 1 BOILER STACK	1388, PSDTX631M1
1-2	UNIT 1 ASH SILO BIN VENT	1388, PSDTX631M1
1-2A	UNIT 1 ASH SYSTEM PUMP A DISCHARGE	1388, PSDTX631M1
1-2B	UNIT 1 ASH SYSTEM PUMB B DISCHARGE	1388, PSDTX631M1
1-3	UNIT 1 EMERGENCY GENERATOR	106.511/09/04/2000 [45703]
2-1	UNIT 2 BOILER STACK	5129, PSDTX017M2
2-2	UNIT 2 ASH SILO BIN VENT	5129, PSDTX017M2
2-2A	UNIT 2 ASH SYSTEM PUMP A DISCHARGE	5129, PSDTX017M2
2-2B	UNIT 2 ASH SYSTEM PUMP A DISCHARGE	5129, PSDTX017M2
2-3	UNIT 2 EMERGENCY GENERATOR	106.511/09/04/2000
3-1	UNIT 3 BOILER STACK	5129, PSDTX017M2
3-2	UNIT 3 ASH SILO BIN VENT	5129, PSDTX017M2
3-2A	UNIT 3 ASH SYSTEM PUMP A DICHARGE	5129, PSDTX017M2
3-2B	UNIT 3 ASH SYSTEM PUMP B DISCHARGE	5129, PSDTX017M2
3-3	UNIT 3 EMERGENCY GENERATOR	106.511/09/04/2000
CT-1	CT-1	8/06/07/1996
CT-2	CT-2	8/06/07/1996
CT-3	CT-3	8/06/07/1996
CWTR-1	CWTR-1	106.261/11/01/2003 [81171]
CWTR-2	CWTR-2	106.261/11/01/2003 [81171]
CWTR-3	CWTR-3	106.261/11/01/2003 [81171]

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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**
DFP	DIESEL FIRE PUMP	106.511/09/04/2000
EG-2	EMERGENCY GENERATOR UNIT 2	106.511/09/04/2000
EG-3	EMERGENCY GENERATOR UNIT 3	106.511/09/04/2000
LC-1	LAMP CRUSHER	106.262 [84932]
PBR-BLKMAT	PBR-BLKMAT	106.144 [52255]
UNIT 1	UNIT 1 BOILER	1388, PSDTX631M1, 106.261/11/01/2003 [81171]
UNIT 2	UNIT 2 BOILER	5129, PSDTX017M2, 106.261/11/01/2003 [81171]
UNIT 3	UNIT 3 BOILER	5129, PSDTX017M2, 106.261/11/01/2003 [81171]
WS-N	WELDING SHOP VENT NORTH	106.227/09/04/2000
WS-S	WELDING SHOP VENT SOUTH	106.227/09/04/2000

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

Acronym List 93

Acronym List

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

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table 95

Major NSR Summary Table

Permit Numbers 1388 and PSDTX631M1					Issuance Date: June 6, 2024		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
HS-1	Harrington Station Unit No. 1 369 MW Coal-Fired Electric Generating Unit (5)	SO_2	4,293	15,080	4, 7, 11	7, 11, 14, 15	7, 11
		CO	1,634	5,247	4, 12	12, 14, 15	12
		NO_x	1,452	3,975	4, 7, 9	7, 9, 14, 15	7, 9
		PM	359	1,257	4, 7, 10	7, 14, 15, 21	7, 10
		PM_{10}	359	1,257	4, 7, 10	7, 14, 15, 21	7, 10
		$PM_{2.5}$	322	1,128	4, 7	7, 14, 21	
		VOC	13.3	58.3	4	14	
		Fluoride (as HF)	19	67.8	4	14	
		Hydrogen Chloride	10.4	45.6	4	14	
		Beryllium	0.0111	0.04	4	14	
HS-2	Harrington Station Unit No. 1 Fly Ash Bin Vent Baghouse	PM	0.17	0.76	6	14	
		PM_{10}	0.08	0.36			
		$PM_{2.5}$	0.01	0.05			
HS-2A	Ash Handling System Pump A Discharge	PM	0.08	0.36	6	14	
		PM_{10}	0.08	0.36			
		$PM_{2.5}$	0.04	0.19			

Major NSR Summary Table

Permit Numbers 1388 and PSDTX631M1					Issuance Date: June 6, 2024		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
HS-2B	Ash Handling System Pump B Discharge	PM	0.08	0.36	6	14	
		PM_{10}	0.08	0.36			
		$PM_{2.5}$	0.04	0.19			
MSS-FUG	Maintenance, Startup, and Shutdown (MSS) Fugitives	SO_2	<0.01	<0.01	24	15, 22, 23	
		NO_x	<0.01	<0.01			
		PM	7.39	4.95			
		PM_{10}	1.91	1.19			
		$PM_{2.5}$	0.29	0.18			
		VOC	33.50	0.42			

(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 (TAC) § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter emissions, as defined in Title 30 TAC § 101.1, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter emissions equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - direct particulate matter emissions equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HF - hydrogen fluoride
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) The lbs/hour and tpy emission limits specified in the MAERT for this facility include emissions from the facility during both normal operations and planned MSS activities.

Major NSR Summary Table

Permit Number 5129 and PSDTX017M2					Issuance Date: April 28, 2022		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
2-1	Unit 2 Boiler Stack (6)	NO_x	1,341.00	3,774.0	4, 7	7, 9, 10	7
		CO	1,915.00	5,033.0	4, 8	8, 9, 10	8
		VOC	14.00	56.0	4	9, 10	
		SO_2	4,602.00	18,946.0	4, 7	7, 9, 10	7
		PM_{10}	383.00	1,579.0	4, 7, 14	7, 9, 10, 14	7
2-2	Unit 2 Ash Handling System Bin Vent	PM_{10}	0.50	2.2	5	9, 10	
2-2A	Unit 2 Ash Handling System Pump A Discharge	PM_{10}	0.046	0.2	5	9, 10	
2-2B	Unit 2 Ash Handling System Pump B Discharge	PM_{10}	0.046	0.2	5	9, 10	
3-1	Unit 3 Boiler Stack (6)	NO_x	1,161.00	5,085.0	4, 7	7, 9, 10	7, 9
		CO	581.00	2,543.0	4	9, 10	12
		VOC	55.00	241.0	4	9, 10	
		SO_2	4,151.00	18,181.0	4, 7	7, 9, 10	7, 11
		PM_{10}	347.00	1,520.0	4, 7, 14	7, 9, 10, 14	7, 10
3-2	Fly Ash Silo Bin Vent	PM_{10}	0.34	1.5	5	9	

Major NSR Summary Table

Permit Number 5129 and PSDTX017M2					Issuance Date: April 28, 2022		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
3-2A	Unit No. 3 Vacuum Pump Discharge	PM_{10}	0.01	0.04	5	9	
MSS-FUG2	MSS Fugitives (5)	SO_2	<0.01	<0.01	15, 16, 17	9, 15, 16, 17	
		NO_x	<0.01	<0.01	18, 19, 20	9, 15, 16, 17	
		VOC	39.00	0.79	15, 16, 17	9, 15, 16, 17	
		PM	8.51	4.97	15, 16, 17	9, 15, 16, 17	
		PM_{10}	2.45	1.20	15, 16, 17	9, 15, 16, 17	
		$PM_{2.5}$	0.37	0.18	15, 16, 17	9, 15, 16, 17	

(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 (based on AP-42, “Tables 1.1-2 and 1.1-11")
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) The lb/hr and tpy emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities. **(05/12)**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 6, 2024

MR DAVID LOW
GENERAL MANAGER, POWER GENERATION
SOUTHWESTERN PUBLIC SERVICE COMPANY
790 S BUCHANAN ST
AMARILLO TX 79101-2510

Re: Permit Alteration
Permit Number: 1388
Expiration Date: February 27, 2034
Southwestern Public Service Company
Harrington Station Power Plant
Amarillo, Potter County
Regulated Entity Number: RN100224849
Customer Reference Number: CN601481336
Associated Permit Number: PSDTX631M1

Dear Mr. Low:

SOUTHWESTERN PUBLIC SERVICE COMPANY has requested alteration of the conditions of the above-referenced permit.

In accordance with Title 30 Texas Administrative Code §116.116(c), Permit Number 1388 is altered. Enclosed are the new general conditions and altered special conditions. Please attach these to your permit.

All preconstruction authorizations (including authorization for emissions of greenhouse gases, if applicable) should be obtained prior to start of construction.

If you need further information or have any questions, please contact Mr. Ryan McClelland at (512) 239-6971 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number: 1388

Sincerely,

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Enclosure

cc: Air Section Manager, Region 1 - Amarillo
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 371400

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Southwestern Public Service Company
Authorizing the Construction and Operation of
Harrington Station Power Plant
Located at **Amarillo, Potter County, Texas**
Latitude 35.298611 Longitude -101.746111

Permits: 1388 and PSDTX631M1

Revision Date: June 6, 2024

Expiration Date: February 27, 2034

For the Commission

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

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
$\mu g/m^3$ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards

PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 1388 and PSDTX631M1

1. This permit covers only those sources of emissions listed in the attached table entitled, “Emission Sources - Maximum Allowable Emission Rates” (MAERT), and those sources are limited to the emission limits and other conditions specified in that attached table. This permit authorizes maintenance, startup, and shutdown (MSS) activities which comply with the emission limits in the MAERT.

Operational Limitations

2. The emissions from the Unit No. 1 steam generator stack, Emission Point Number (EPN) HS-1, shall not exhibit an opacity greater than 20 percent (six-minute average), except as allowed under Title 30 Texas Administrative Code (30 TAC) § 111.111(a)(1)(E), Title 40 Code of Federal Regulations (40 CFR) § 60.42(a)(2), or Special Condition No. 16 of this permit.

3. Fuel shall be limited to the following:

   A. Low sulfur western coal and/or an equivalent coal with properties that will ensure compliance with the permit maximum allowable emission rates as specified by the MAERT. This condition no longer applies after December 31, 2024, per the requirements of Agreed Order Docket No. 2020-0982-MIS. **(05/21)**

   B. Pipeline quality sweet natural gas.

4. In order to determine continuing compliance with the MAERT, the firing rate of Unit No. 1 shall be limited to 3,630 million British thermal units per hour (MMBtu/hr) on an hourly average, based on fuel quality analysis and plant fuel flow monitoring.

5. The emissions of carbon monoxide (CO) from Unit No.1 shall not exceed 0.33 pound per MMBtu, on a 30-day rolling average. This limit does not apply during planned MSS activities.

6. Fly Ash Handling System (EPN HS-2). Fly ash loadout from the ash silo must be into enclosed trucks. A system shall be used to return to the ash silo any particulate dust emissions from the loading operations. Visible emissions from the truck loading operations shall not exceed 10 percent averaged over a six-minute period as measured by 40 CFR Part 60, Appendix A, Test Method 9.

Federal Applicability

7. The facilities shall comply with applicable requirements of EPA regulations in 40 CFR as follows:

   A. Part 60, Standards of Performance for New Stationary Sources,

      (1) Subpart A, General Conditions; and

      (2) Subpart D, Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced after August 17, 1971.

   B. Part 63, National Emission Standards for Hazardous Air Pollutants, Subpart UUUUU for Electric Utility Steam Generating Units. Six-months after ceasing coal operations, the unit will no longer be subject to Part 63, Subpart UUUUU. **(05/21)**

   C. 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.

Initial Determination of Compliance

8. Initial determination of compliance testing was completed in 1984.

Continuous Determination of Compliance

9. The permit holder shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentration of carbon monoxide (CO), nitrogen oxides (NO_x) and diluent gases (oxygen or carbon dioxide) from EPN HS-1. **(06/24)**

   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, Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60), Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division for requirements to be met.

   B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:

      (1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.

      (2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

      Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

      All CGA exceedances of +15 percent accuracy indicate that the CEMS is out of control.

   C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour at least once every week as follows:

      The measured hourly average concentration from the CEMS shall be multiplied by the flow rate measured during the latest stack test performed in accordance with Special Condition 12, exhaust gas flow rate measured, or heat input and applicable equations from Method 19

relying on the dry F-factor and measured dry O_2 concentration to determine the hourly emission rate.

D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.

F. Quality-assured (or valid) data must be generated when the EPN HS-1 is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the EPN HS-1 operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

G. This Special Condition No. 9 regarding CO monitoring for compliance shall not become effective until 180 days after issuance of the permit amendment received March 11, 2024, i.e., by November 6, 2024. The condition as it applies to NO_x and diluent gases shall remain effective as of the issuance of this permit action.

H. In lieu of the requirements in Special Condition Nos. 9.A. through 9.E. pertaining to NO_x, the monitoring required by Special Condition No. 9 may be met by the use of a CEMS which 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. Title 40 CFR Part 75 is deemed an acceptable alternative to the performance specifications and quality-assurance requirements of 40 CFR Part 60.

10. The holder of this permit will monitor EPN HS-1 with a continuous opacity monitoring system (COMS), operated in accordance with 40 CFR § 60.13. Opacity readings in excess of the standards outlined in Special Condition No. 2 or No. 16 are reportable under 30 TAC § 101.201, Subchapter F, Division 1, Emissions Event Reporting and Recordkeeping Requirements.

11. The holder of this permit will monitor sulfur dioxide (SO_2) from the exhaust stream of Unit 1 with a CEMS, operated in accordance with 40 CFR § 75.10.

12. The permit holder 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 the EPN HS-1 to demonstrate compliance with the MAERT. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods. **(06/24)**

    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 Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60) testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

A. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling. The notice shall include:

(1) Proposed date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

(6) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.

(7) Procedure/parameters to be used to determine worst case emissions.

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 the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

B. Air contaminants emitted from the EPN HS-1 to be tested for include (but are not limited to) VOC.

C. Sampling shall occur no later than 180 days after issuance of the permit amendment received March 11, 2024, i.e., by November 6, 2024 (or increase in production, as appropriate), at least once every five years thereafter, and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office.

D. The facility being sampled shall operate at the maximum production rate that is expected to cause maximum emissions for each air contaminant required to be tested during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

During subsequent operations, if the process parameter(s) established for the compliance testing is greater than that recorded during the test period, stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.

E. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled “Chapter 14, Contents of Sampling Reports” of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the appropriate TCEQ Regional Office.
One copy to each local air pollution control program.

F. Sampling ports and platform(s) shall be incorporated into the design of EPN HS-1 according to the specifications set forth in the attachment entitled “Chapter 2, Guidelines For Stack

Sampling Facilities" of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director.

13. If any emission monitor fails to meet specified performance, it shall be repaired or replaced immediately, but no later than seven days after it was first detected by any employee at the 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 available as required.

Recordkeeping

14. The following records shall be kept at the plant for the life of the permit and 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 and subsequent representations submitted to the TCEQ.

    C. A complete copy of the testing reports and records of the initial performance testing.

    D. Stack sampling results, other air emissions testing, fuel quality analysis, and plant fuel flow monitoring that may be conducted on units authorized under this permit and subsequent modifications after the October 15, 2002 renewal of this permit.

15. The following records shall be retained for a minimum period of five years and made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.

    A. CEMS and COMS raw data and test results in compliance with Special Condition Nos. 9, 10, and 11.

    B. Records to identify periods of planned MSS.

    C. Records of opacity measurements by the COMS for the duration of the planned MSS activities.

    D. Records to show that the work practices in Special Condition No. 21 are followed during the planned MSS activities.

Maintenance, Startup, and Shutdown

16. Opacity greater than 20 percent from EPN HS-1 is authorized during planned MSS when the permit holder complies with the duration limitations and applicable work practices as follows.

    A. The applicable work practices of Special Condition No. 21.

    B. Periods of opacity greater than 20 percent from EPN HS-1 from planned MSS authorized by this Special Condition shall not exceed 144 hours in a calendar year.

    C. For periods of MSS other than those subject to Paragraphs A. and B. of this Special Condition, 30 TAC §§ 111.111, 111.153, and 30 TAC § 101, Subchapter F apply.

17. This permit authorizes the emissions from the planned MSS activities listed in Attachment A [Inherently Low Emitting (ILE) maintenance activities], Attachment B (non-ILE maintenance activities), and the MAERT attached to this permit.

18. When a planned maintenance activity identified in Attachment B is associated with a VOC liquid storage facility and may result in VOC emissions from that facility, the permit holder shall not open that facility to the atmosphere in connection with the planned maintenance activity until the VOC liquids are removed from that facility to the maximum extent practicable.

19. 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.

20. Vacuum trucks that are used to move liquids during planned maintenance activities shall utilize submerged loading.

21. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility, including the following work practices:

    A. Comply with the boiler and electrostatic precipitator (ESP) manufacturer's operating procedures or the permittee's written standard operating procedures manual during planned MSS and operate in a manner consistent with those procedures to minimize opacity. The portion of this condition pertaining to the ESP no longer applies after December 31, 2024, per the requirements of Agreed Order Docket No. 2020-0982-MIS. **(05/21)**

    B. When solid fuel is being burned, place the ESP into service as soon as practical during planned startups, but not longer than the durations identified in Special Condition No. 22, and keep the ESP in service while the unit is burning solid fuel. This condition no longer applies after December 31, 2024, per the requirements of Agreed Order Docket No. 2020-0982-MIS. **(05/21)**

    C. The manufacturer's operating procedures or permittee's written standard operating procedure manual shall be located on-site and be available to the TCEQ regional investigator.

22. Emissions during planned startup and shutdown activities will be minimized by limiting the duration of operation in planned startup and shutdown mode as follows:

    A. A planned startup of the Unit 1 steam generator is defined as the period that begins when a set of fans are placed into service and ends when the unit reaches a sustained load of 150 megawatts. In the event that the fans are already running for maintenance purposes as allowed in Attachment B of this permit, startup begins when main gas firing is commenced. In addition:

        (1) A planned startup shall not exceed 48 hours after main gas firing has commenced, except as allowed in Special Condition No. 22.A.(2).

        (2) An extended planned startup is defined as a startup that lasts more than 48 hours after main gas firing has commenced. The total amount of time that extended startups exceed 48 hours shall not exceed 300 hours on an annual basis.

B. A planned shutdown of the Unit 1 steam generator shall not exceed 36 hours. A planned shutdown is defined as the period that begins when the generator breaker is opened or at the point of main fuel no longer being fired in the boiler, whichever is earlier. Shutdown ends when the generator breaker is open and main fuel is no longer being fired in the boiler.

C. For purposes of counting startup and shutdown hours, any clock hour that includes one or more minutes of startup or shutdown activity is counted as one hour of startup or shutdown activity.

23. 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 planned ILE 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 planned ILE maintenance activities identified in Attachment A of this permit 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 planned non-ILE maintenance activities identified in Attachment B of this permit, the permit holder shall do the following for each calendar month.

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

(2) Once monthly emissions have been determined in accordance with Special Condition No. 23.B.(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 maintenance activities to the annual emissions limit for the pollutant in the MAERT.

(3) This excludes the emissions associated with the combustion unit tuning/optimization activities, which are included in the normal operation emission limits for EPN HS-1 in the MAERT.

24. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 23 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. 24.A., the permit holder shall calculate the pollutant's emissions during all occurrences of each type of planned MSS activity for each calendar month using the frequency of the planned MSS activity identified in work orders or equivalent records and the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application. In lieu of using the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application to calculate such emissions, the permit holder may determine the emissions of the pollutant during the planned MSS activity using an appropriate method, including but not limited to, any of the methods described in paragraphs 1 through 3 below, provided that the permit holder maintains appropriate records supporting such determination:

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

(2) Use of emissions data measured (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.

25. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until 180 days after issuance of the permit amendment dated April 20, 2012.

Additional Authorizations

26. The following projects and facilities authorized by Permit by Rule (PBR) and Standard Permit (SP) are listed here for reference purposes only. **(06/24)**

Project/Facility	Authorization	Registration No.
Fluorescent Bulb Crusher	30 TAC § 106.262 (PBR)	84932
ESP Improvements	Pollution Control Project(SP)	93027
Substitute nat. gas for coal	Pollution Control Project(SP)	108024
Bin Vent and Unit 1 Boiler	6001 non-Rule	114029
Unit 1 Boiler	6001 non-Rule	164552

Date: June 6, 2024

Permit Numbers 1388 and PSDTX631M1

Attachment A

Inherently Low Emitting Maintenance Activities (ILEs)					
Planned Maintenance Activity	Emissions				
	NO_x	CO	VOC	PM	SO_2
Miscellaneous particulate filter maintenance[1]				X	
Degassing for maintenance of storage vessels storing material with low vapor pressure (≤ 0.5 psia)			X		
Degassing for maintenance of storage vessels storing gasoline or other materials with high vapor pressure (> 0.5 psia) that does not require clearing the vessel to allow entry of personnel			X		
Boiler General Maintenance[2]				X	
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, and PEMS	X	X	X		X
Material handling system maintenance[3]				X	
Small equipment and fugitive component repair/replacement in VOC service[4]			X		
PM control device maintenance - unit offline				X	
Management of sludge from pits, ponds, sumps, and water conveyances[5]			X		

Date: {May 20, 2021}

[1] Includes, but is not limited to: filters, and coal handling filters.

[2] Includes, but is not limited: pre-heater basket handling and maintenance, refractory change out, fan maintenance/balancing, damper/air heater/soot blower maintenance, and any other general boiler maintenance that does not exceed the worst-case emission representation in the application.

[3] Material handling equipment includes, but is not limited to: silos, transport systems, coal bunkers, coal crushing equipment, coal handling, nuvafeeders, hoppers, and sludge handling systems. Materials handled include coal, ash, limestone, soda ash, and lime. This condition no longer applies after December 31, 2024, per the requirements of Agreed Order Docket No. 2020-0982-MIS. **(05/21)**

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

[5] Includes, but is not limited to: management by vacuum truck/dewatering of materials in open pits/ponds/sumps/tanks/other closed or open vessels, and water based washing. Materials removed by vacuum truck include water and sediment mixtures containing miscellaneous VOCs such as diesel, lube oil, and other waste oils.

Permit Numbers 1388 and PSDTX631M1

Attachment B

Non-Inherently Low Emitting Maintenance Activities (non-ILEs)						
Planned Maintenance Activity	EPN	Emissions				
		NO_x	CO	VOC	PM	SO_2
Gaseous Fuel Venting[6]	MSS-FUG			X		
Combustion optimization[7]	HS-1	X	X	X	X	X
Vacuum truck solids loading[8]	MSS-FUG				X	
Vacuum truck solids unloading	MSS-FUG				X	
PM control device - unit online	HS-1				X	
Use of fans during maintenance - unit offline	HS-1				X	

Date: {February 13, 2014}

[6] Includes, but is not limited to: venting prior to pipeline pigging and meter proving.
[7] Includes, but is not limited to: leak/operability checks, troubleshooting, and seasonal tuning.
[8] Includes, but is not limited to: site-wide solids (ash) vacuuming operations (e.g. material handling baghouses/ ESP/ ducts/furnace/loop seals/stripper coolers/airlocks).

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 1388 and PSDTX631M1

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
HS-1	Harrington Station Unit No. 1 369 MW Coal-Fired Electric Generating Unit (5)	SO_2	4,293	15,080
		CO	1,634	5,247
		NO_x	1,452	3,975
		PM	359	1,257
		PM_{10}	359	1,257
		$PM_{2.5}$	322	1,128
		VOC	13.3	58.3
		Fluoride (as HF)	19	67.8
		Hydrogen Chloride	10.4	45.6
		Beryllium	0.0111	0.04
HS-2	Harrington Station Unit No. 1 Fly Ash Bin Vent Baghouse	PM	0.17	0.76
		PM_{10}	0.08	0.36
		$PM_{2.5}$	0.01	0.05
HS-2A	Ash Handling System Pump A Discharge	PM	0.08	0.36
		PM_{10}	0.08	0.36
		$PM_{2.5}$	0.04	0.19
HS-2B	Ash Handling System Pump B Discharge	PM	0.08	0.36
		PM_{10}	0.08	0.36
		$PM_{2.5}$	0.04	0.19

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSS-FUG	Maintenance, Startup, and Shutdown (MSS) Fugitives	SO_2	<0.01	<0.01
		NO_x	<0.01	<0.01
		PM	7.39	4.95
		PM_{10}	1.91	1.19
		$PM_{2.5}$	0.29	0.18
		VOC	33.50	0.42

(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 (TAC) § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter emissions, as defined in Title 30 TAC § 101.1, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter emissions equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - direct particulate matter emissions equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HF - hydrogen fluoride
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) The lbs/hour and tpy emission limits specified in the MAERT for this facility include emissions from the facility during both normal operations and planned MSS activities.

Date: February 13, 2014

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 28, 2022

MR DAVID LOW
GENERAL MANAGER, POWER GENERATION
SOUTHWESTERN PUBLIC SERVICE COMPANY
790 S BUCHANAN ST
AMARILLO TX 79101-2510

Re: Permit Amendment
Permit Number: 5129
Expiration Date: February 13, 2027
Southwestern Public Service Company
Harrington Station Units 2 and 3
Amarillo, Potter County
Regulated Entity Number: RN100224849
Customer Reference Number: CN601481336
Associated Permit Number: PSDTX017M2

Dear Mr. Low:

Southwestern Public Service Company has requested an amendment to Permit Number 5129. This letter serves as notice that your application for the above-referenced permit is technically complete as of April 13, 2022.

In accordance with Title 30 Texas Administrative Code (TAC) §116.116(b) and §116.160, Permit Number 5129 is hereby amended. Enclosed are revised general conditions, special conditions, and a maximum allowable emission rates table.

Re: Permit Number: 5129

If you need further information or have any questions, please contact Ms. Laura Gibson, P.E. at (512) 239-2175 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

Enclosure

cc: Kevin Worley, Southwestern Public Service Company
Air Section Manager, Region 1 - Amarillo
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 334756

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Southwestern Public Service Company
Authorizing the Construction and Operation of
Harrington Station Units 2 and 3
Located at **Amarillo, Potter County, Texas**
Latitude 35° 17' 58" Longitude −101° 44' 47"

Permits: 5129 and PSDTX017M2

Amendment Date: April 28, 2022

Expiration Date: February 13, 2027

For the Commission

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

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
$\mu g/m^3$ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
hp = horsepower
hr = hour lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen

NSPS = New Source Performance Standards
PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 5129 and PSDTX017M2

Emission Standards and Fuel Specifications

1. Compliance with the annual emissions limits, as specified in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," is based on a consecutive 12-month period rather than the calendar year.

2. A copy of this permit shall be kept at the plant site and made immediately available at the request of personnel from the Texas Commission on Environmental Quality (TCEQ) or any air pollution control agency. In addition, the holder of this permit shall identify all equipment at the property with the potential of emitting air contaminants that is authorized under this permit. Permitted emission points shall be identified by the emission point numbering on the maximum allowable emission rates table (MAERT).

3. Fuels to be fired in the Unit 2 and Unit 3 Boilers are limited to:

   A. Coal or mixtures of coals with a maximum as-fired sulfur content of 0.6 lb/MMBtu. (This condition no longer applies after December 31, 2024, per the requirements of Agreed Order Docket No. 2020-0982-MIS). **(05/21)**

   B. Pipeline-quality natural gas with a maximum sulfur content of 20 grains of total sulfur per 100 dry standard cubic feet.

   C. The use of any other fuel shall require authorization from the TCEQ. **(10/08)**

4. The firing rate of the Unit 2 and 3 Boilers (Emission Point Nos. 2-1 and 3-1) shall be limited to 3,830 and 3,870 MMBtu/hr, respectively, on an hourly average. **(10/08)**

5. As represented by the applicant, the following work and design practices will be maintained:

   A. During fly ash unloading, the truck drop points will be enclosed by a shroud with the displace air routed back into the silo.

   B. The vacuum pump will be preceded by a baghouse and an in-line cartridge filter. The vacuum pump will be equipped with a water jacket.

   C. The bin vent on the fly ash silo will be equipped with a reverse pulse jet cleaning system.

6. The records required in Special Condition Nos. 8 and 12 shall constitute the method of demonstrating compliance with the limits specified in this permit.

Federal Regulation Applicability

7. These facilities (Unit Nos. 2 and 3 Boilers) shall comply with all applicable requirements of U.S. Environmental Protection Agency (EPA) regulations on **(04/22)**

   A. Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):

      (1) Subpart A, General Provisions.

      (2) Subpart D, Fossil-Fuel-Fired Steam Generators

(3) Subpart Y, Coal Preparation and Processing Plants

B. National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR 63:

(1) Subpart A, General Provisions.

(2) Subpart UUUUU, Coal- and Oil-Fired Electric Utility Steam Generating Units

C. 40 CFR Part 75, Continuous Emission Monitoring.

Determination of Compliance with CO Emissions

8. The holder of this permit shall perform stack sampling to establish the actual mass quantities of carbon monoxide (CO) being emitted into the atmosphere from Emission Point No. (EPN) 2-1. Sampling shall be conducted by appropriate procedures in accordance with the appropriate EPA Methods 10, 10B, or by other method approved by the Regional Director of the applicable TCEQ Regional Office. This stack sampling shall occur within six (6) months of the return to routine operations following completion of the project authorized by amendment approved October, 2008. The TCEQ Regional Office shall be notified within 15 days prior to the sampling and will be given the opportunity to observe the sampling procedure. This sampling must be performed at the permit holder's expense and results reported within 30 days to the TCEQ Region 1 Office. **(10/08)**

Stack sampling as described above was completed February 26, 2009. **(04/22)**

9. The concentration of CO from Unit 3 boiler (EPN 3-1) shall not exceed 0.33 lb/MMBtu on a three-hour average, subject to the following specifications: **(04/22)**

A. Hours of startup and shutdown are excluded.

B. As long as pound per hour limits in the MAERT are met, maintenance activities listed in Special Conditions 14 through 20 are excluded.

Continuous Emission Monitoring System (04/22)

10. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of CO from Units 2 and 3 Boilers (EPNs 2-1 and 3-1).

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, Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60), Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division for requirements to be met.

B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:

(1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager,

and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.

(2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of +15 percent accuracy indicate that the CEMS is out of control.

C. The monitoring data shall be reduced to 1 hour average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour and pounds per million BTU at least once every week as follows:

The measured (averaging period) average concentration from the CEMS shall be multiplied by the CEMS-reported heat input to determine the hourly emission rate.

D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.

F. Quality-assured (or valid) data must be generated when the Unit 2 or Unit 3 boiler is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the Unit 2 or Unit 3 boiler operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

G. With the exception of the emission limits in the MAERT attached to this permit, these CEMS conditions regarding CO monitoring and compliance do not become effective until 180 days after issuance of the permit amendment received October 27, 2021.

11. The amendment application, PI-1 received October 27, 2021, was determined not to be subject to major new source review by identifying projected actual emission rates for one or more facilities potentially affected by the project. Projected actual emission rates for the potentially affected facilities are summarized as follows:

TCEQ Project No.	Permit No.	EPN	Projected Actual CO Emissions, tpy
334756	5129	3-1	1,083

Actual emissions from these facilities shall be monitored, recorded, and reports made in accordance with 30 TAC 116.127 for the time period specified in 30 TAC 116.127(b)(1). **(04/22)**

Recordkeeping Requirements

12. 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 or any air pollution control agency with jurisdiction. **(03/07)**

    A. A copy of this permit.

    B. Permit renewal application dated November 10, 2006.

    C. Stack sampling results or other testing conducted on units authorized under this permit after the date of issuance of this renewal.

    D. The permit holder shall keep records to identify: periods of planned maintenance, startup and shutdown (MSS); the opacity measured by the continuous opacity monitoring system (COMS) for the duration of the planned MSS activities; and that the work practices in Special Condition Nos. 15 through 18 are followed during the planned MSS activities. **(05/12)**

13. The following records shall be maintained at the plant site by the holder of this permit, and data shall be retained for at least five years following the date the data is obtained.

    A. Records of the hours of operation;

    B. Records of weekly coal Btu testing; (This condition no longer applies after December 31, 2024, per the requirements of Agreed Order Docket No. 2020-0982-MIS). **(05/21)**

    C. Records of monthly gas Btu testing;

    D. Records of hourly electrical generation; and

    E. Records of monthly fuel use by fuel type.

    F. The CEMS data of CO emissions from the Unit 2 and Unit 3 Boilers (EPNs 2-1 and 3-1) to demonstrate compliance with the emission rates listed in the MAERT and concentration limit for EPN 3-1 in Special Condition No. 9. **(04/22)**

    G. Raw data files of all CEMS data including calibration checks, adjustments, and maintenance performed on these systems in a permanent form suitable for inspection. **(04/22)**

Maintenance, Startup, and Shutdown (MSS)

14. This permit authorizes the emissions from the MSS activities listed in Attachment A, Attachment B, and the MAERT attached to this permit. Attachment A identifies the inherently low emitting (ILE) planned maintenance activities that this permit authorizes to be performed. Attachment B identifies the planned maintenance activities that are non-ILE planned maintenance activities that this permit authorizes to be performed. **(05/12)**

15. When a planned maintenance activity identified in Attachment B is associated with a volatile organic compound (VOC) liquid storage facility and may result in VOC emissions from that facility, the permit holder shall not open that facility to the atmosphere in connection with the maintenance activity until the VOC liquids are removed from that facility to the maximum extent practicable. **(05/12)**

16. 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. **(05/12)**

17. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility. **(05/12)**

18. Emissions during planned startup and shutdown activities will be minimized by limiting the duration of operation in planned startup and shutdown mode as follows: **(05/12)**

    A. A planned startup of either of the two electric generating facilities (EGF) with EPNs 2-1 or 3-1 is defined as the period that begins when a set of fans are placed into service and ends when the unit reaches a sustained load of more than 150 Megawatts. In the event that the fans are already running for maintenance purposes as allowed in Attachment A, startup begins when main gas firing has commenced.

        (1) A planned startup of either EGF shall not exceed 48 hours after main gas firing has commenced, except as allowed in Special Condition No. 18.A(2) below

        (2) An extended planned startup is defined as a startup that lasts more than 48 hours after main gas firing has commenced. The total amount of time the extended startups exceed 48 hours at each boiler shall not exceed a combined total of 600 hours for both solid fuel fired boilers at the facility on an annual basis.

    B. A planned shutdown of either EGF with EPNs 2-1 or 3-1 shall not exceed 36 hours and is defined as:

        (1) the period that begins when the generator breaker is opened and ends when the main fuel is no longer being fired in the boiler; or

        (2) the period that begins when the main fuel is no longer being fired in the boiler and ends when the generator breaker is opened.

19. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows. **(05/12)**

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

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

(1) Determine the total emissions of the pollutant from such non-ILE planned maintenance activities in accordance with Special Condition No. 20.

(2) Once monthly emissions have been determined in accordance with Special Condition No 19.B(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 maintenance activities to the annual emissions limit for the pollutant in the MAERT.

(3) This excludes the emissions associated with the combustion unit tuning/optimization activities, which are included in the normal operation limits for EPN 2-1 and 3-1 as listed in the MAERT.

20. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 19 as follows. **(05/12)**

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

B. For each pollutant not described in Special Condition No. 20.A, the permit holder shall calculate the pollutant's emissions during all occurrences of each type of planned MSS activity for each calendar month using the frequency of the planned MSS activity identified in work orders or equivalent records and the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application. In lieu of using the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application to calculate such emissions, the permit holder may determine the emissions of the pollutant during the planned MSS activity using an appropriate method, including but not limited to, any of the methods described in paragraphs 1 through 3 below, provided that the permit holder maintains appropriate records supporting such determination:

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

(2) Use of emissions data measured (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.

21. 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 November 21, 2012. **(05/12)**

22. The following source is authorized by Title 30 Texas Administrative Code Subchapter F. The list is not intended to be all inclusive and can be altered without modifications to this permit. **(04/22)**

Authorization	Source or Activity
Pollution Control Project Standard Permit Registration No. 108023	Unit 3 boiler firing of Natural Gas

Date: April 28, 2022

Attachment A

Permit Numbers 5129 and PSDTX017M2

Inherently Low Emitting (ILE) Planned Maintenance Activities

Planned Maintenance Activity	Emissions				
	VOC	NO_x	CO	PM	SO_2
Miscellaneous particulate filter maintenance[1, 5]				x	
Degassing for maintenance of storage vessels storing material with vapor pressure <0.5 psia	x				
Boiler general maintenance[2, 5]				x	
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, and PEMS.	x	x			x
Material handling system maintenance[3, 5]				x	
Small equipment and fugitive component repair/replacement in VOC service[4]	x				
PM control device maintenance – unit offline[5]				x	
Use of fans during maintenance - unit offline				x	

Notes for Attachment A:

1. Includes, but is not limited to, baghouse filters, coal handling filters, and combustion turbine air intake filters. Includes operation of baghouse ventilation duct fans with boiler offline.

2. 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.

3. Material handling system equipment includes, but is not limited to, silos, transport systems, coal bunkers, coal crushing equipment, coal handling, nuvafeeders, hoppers, and sludge handling system. Materials handled include coal, ash, limestone, soda ash, and lime.

4. 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, lube oil, and gasoline service, and (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service.

5. After December 31, 2024, coal shall no longer be burned in the boiler, per the requirements of Agreed Order Docket 2020-0982-MIS.

Date: April 28, 2022

Attachment B

Permit Numbers 5129 and PSDTX017M2

Non-ILE Planned Maintenance Activities

Planned Maintenance Activity	EPN	Emissions				
		VOC	NO_x	CO	PM	SO_2
Gaseous fuel venting[1]	MSS-FUG2	x				
Combustion optimization[2]	2-1 and 3-1	x	x	x	x	x
Vacuum truck solids loading[3]	MSS-FUG2				x	
Vacuum truck solids unloading	MSS-FUG2				x	
Degassing for maintenance of storage vessels storing gasoline or other material with vapor pressure >0.5 psia that requires clearing of the vessels to allow for entry of personnel	MSS-FUG2	x				
PM control device maintenance – unit online[4]	2-1 and 3-1				x	

Notes for Attachment B:

1. Includes, but is not limited to, venting prior to pipeline pigging, and meter proving.

2. Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), and (ii) 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.

3. Includes site-wide ash vacuuming operations (e.g., baghouse, ESP, ducts, furnace, loop seals, stripper coolers, and airlocks).

4. After December 31, 2024, coal shall no longer be burned in the boiler, per the requirements of Agreed Order Docket 2020-0982-MIS.

Date: April 28, 2022

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 5129 and PSDTX017M2

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
2-1	Unit 2 Boiler Stack (6)	NO_x	1,341.00	3774.0
		CO	1,915.00	5033.0
		VOC	14.00	56.0
		SO_2	4,602.00	18,946.0
		PM_{10}	383.00	1579.0
2-2	Unit 2 Ash Handling System Bin Vent	PM_{10}	0.50	2.2
2-2A	Unit 2 Ash Handling System Pump A Discharge	PM_{10}	0.046	0.2
2-2B	Unit 2 Ash Handling System Pump B Discharge	PM_{10}	0.046	0.2
3-1	Unit 3 Boiler Stack (6)	NO_x	1,161.00	5,085.0
		CO	1,277.00	2,543.0
		VOC	55.00	241.0
		SO_2	4,151.00	18,181.0
		PM_{10}	347.00	1,520.0
3-2	Fly Ash Silo Bin Vent	PM_{10}	0.34	1.5
3-2A	Unit No. 3 Vacuum Pump Discharge	PM_{10}	0.01	0.04
MSS-FUG2	MSS Fugitives (5)	SO_2	< 0.01	< 0.01
		NO_x	< 0.01	< 0.01
		VOC	39.00	0.79
		PM	8.51	4.97
		PM_{10}	2.45	1.20
		$PM_{2.5}$	0.37	0.18

Emission Sources - Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) The lb/hr and tpy emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities. **(05/12)**

Date: April 28, 2022