FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
NRG Texas Power LLC

AUTHORIZING THE OPERATION OF
W. A. Parish Electric Generating Station
Electric Services

LOCATED AT
Fort Bend County, Texas
Latitude 29° 28' 31" Longitude 95° 38' 3"
Regulated Entity Number: RN100888312

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: O74 Issuance Date: March 20, 2012

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

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

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

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

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

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ, DDDDD, or UUUUU as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §§ 113.1090, 113.1130, or 113.1300, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

F. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU as identified in the attached Applicable Requirements Summary by April 16, 2016. This is a one year extension of the compliance date granted in accordance with § 63.6(i)(4)(i)(A). The permit holder shall comply with the emission control installations, compliance schedule, and notification requirements contained in the Alternative Requirements attachment of this permit. The permit holder shall maintain the original documentation from the TCEQ Executive Director granting the compliance extension. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

G. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.302 (relating to General Provisions)

(ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)

(iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit

H. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

I. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:

(i) Title 30 TAC § 101.352 (relating to General Provisions)

(ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)

(vi) Title 30 TAC § 101.359 (relating to Reporting)

(vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)

(viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit

J. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.372 (relating to General Provisions)

(ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)

(iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(ii) Title 30 TAC § 111.111(a)(1)(E)

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

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

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

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

(3) Records of all observations shall be maintained.

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

(5) Compliance Certification:

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

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

performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

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

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made

beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

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

(4) Compliance Certification:

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

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

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

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

F. 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)

G. Permit holder shall comply with the following requirements for steam generators:

(i) Emissions from any solid fuel-fired steam generator may not exceed 0.3 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(b) (relating to Emissions Limits for Steam Generators).

(ii) Emissions from any oil or gas fuel-fired steam generator with a heat input capacity greater than 2,500 MMBtu per hour may not exceed 0.1 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(c) (relating to Emissions Limits for Steam Generators).

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

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

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

(iii) Title 30 TAC § 111.209 (relating to Exception for Disposal Fires)

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

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

4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

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

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

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

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

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

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

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

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

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

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

Additional Monitoring Requirements

7. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:

A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "CAM

Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

E. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

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

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

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

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, 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).

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

    A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

    B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

    C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

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

Compliance Requirements

13. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

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

    A. The permit holder shall comply with the compliance schedules and submit written notification to the Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For electric utilities in the Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9120

15. Use of Emission Credits to comply with applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use 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) Offsets for Title 30 TAC Chapter 116

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

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)

(ii) The 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 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

16. 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)

17. The permit holder may comply with the following 30 TAC Chapter 101, Subchapter H, Division 5 (System Cap Trading) Requirements for an electric generating facility participating in a system cap:

A. Title 30 TAC § 101.383 (relating to General Provisions)

B. Title 30 TAC § 101.385 (relating to Recordkeeping and Reporting)

Risk Management Plan

18. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

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

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

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

C. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Temporary Fuel Shortages (30 TAC § 112.15)

20. 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

21. 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)

22. 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

23. For units 1, 2, 3, 4, 5, 6, 7, and 8 (identified in the Certificate of Representation as units WAP1, WAP2, WAP3, WAP4, WAP5, WAP6, WAP7, and WAP8), located at the affected source identified by ORIS/Facility code 3470, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

(i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

(ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained 40 CFR Part 75.

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

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

C. SO_2 emissions requirements

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

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

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

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

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

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

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

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

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

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

D. NO_x Emission Requirements

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

(ii) The owners and operators shall comply with the NO_x standard emission limitation compliance plan for units WAP5, WAP6, WAP7, and WAP8 under Phase II of the acid rain program. This plan is approved by TCEQ and is effective January 1, 2008, under which each unit's annual average NO_x emission rate for each year, determined using the methods and procedures specified in 40 CFR Part 75, shall not exceed the applicable emission limitation of 0.46 lb/MMBtu for dry bottom wall-fired units WAP5 and WAP6 under 40 CFR § 76.7(a)(2) and 0.40 lb/MMBtu for tangentially fired units WAP7 and WAP8 under 40 CFR § 76.7(a)(1).

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

24. For units 1, 2, 3, 4, 5, 6, 7, and 8 (identified in the Certificate of Representation as units WAP1, WAP2, WAP3, WAP4, WAP5, WAP6, WAP7, and WAP8), located at the site identified by ORIS/Facility code 3470, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements. Until approval of a Texas CSAPR SIP by EPA, the permit holder shall comply with the equivalent requirements of 40 CFR Part 97.

A. General Requirements

(i) The owners and operators of the CSAPR NO_X and the CSAPR SO_2 source shall operate the source and the unit in compliance with the requirements of the applicable CSAPR Trading Programs and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_X and the CSAPR SO_2 source shall comply with the requirements of 40 CFR Part 97, Subpart AAAAA for CSAPR NO_X Annual Trading Program, Subpart DDDDD for CSAPR SO_2 Group 2 Trading Program, 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 Annual Trading Program, CSAPR SO_2 Group 2 Trading Program, and CSAPR NO_X Ozone Season Group 2 Trading Program.

(1) For unit(s) 5, 6, 7, and 8, the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart B and Subpart H for SO_2, $NO_{X,}$ and heat input.

(2) For unit(s) 1, 2, 3, and 4, 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 with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for SO_2 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 §§ 97.430 through 97.435 (CSAPR NO_X Annual Trading Program), §§ 97.730 through 97.735 (CSAPR SO_2 Group 2 Trading Program), and §§ 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 programs.

(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 § 97.435 (CSAPR NO_x Annual Trading Program), § 97.735 (CSAPR SO_2 Group 2 Trading Program), and/or § 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 §§ 97.430 through 97.434 (CSAPR NO_x Annual Trading Program, §§ 97.730 through 97.734 (CSAPR SO_2 Group 2 Trading Program), and/or §§ 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 § 97.435 (CSAPR NO_x Annual Trading Program), § 97.735 (CSAPR SO_2 Group 2 Trading Program), and/or § 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 included above meet the requirement of 40 CFR §§ 97.430 through 97.434 (CSAPR NO_x Annual Trading Program), §§ 97.730 through 97.734 (CSAPR SO_2 Group 2 Trading Program), and §§ 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.

25. CSAPR NO_x Annual Trading Program Requirements (40 CFR § 97.406)

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 §§ 97.413 through 97.418.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Annual source and each CSAPR NO_x Annual unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.430 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.431 (initial monitoring system certification and recertification procedures), § 97.432 (monitoring system out-of-control periods), § 97.433 (notifications concerning monitoring), § 97.434 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.435 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR §§ 97.430 through 97.435 and any other credible evidence shall be used to calculate

allocations of CSAPR NO_x Annual allowances under 40 CFR §§ 97.411(a)(2) and (b) and § 97.412 and to determine compliance with the CSAPR NO_x Annual 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 §§ 97.430 through 97.435 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 Annual 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 Annual source and each CSAPR NO_x Annual unit at the source shall hold, in the source's compliance account, CSAPR NO_x Annual allowances available for deduction for such control period under 40 CFR § 97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Annual units at the source.

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

(a) The owners and operators of the source and each CSAPR NO_x Annual unit at the source shall hold the CSAPR NO_x Annual allowances required for deduction under 40 CFR § 97.424(d); and

(b) The owners and operators of the source and each CSAPR NO_x Annual 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 AAAAA and the Clean Air Act.

(ii) CSAPR NO_x Annual assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Annual units at CSAPR NO_x Annual 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 Annual allowances available for deduction for such control period under 40 CFR § 97.425(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 § 97.425(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 Annual units at CSAPR NO_x Annual sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Annual 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 Annual units at CSAPR NO_x Annual 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 Annual trading budget under 40 CFR § 97.410(a) and the state's variability limit under 40 CFR § 97.410(b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart AAAAA or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Annual units at CSAPR NO_x Annual 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 Annual units at CSAPR NO_x Annual 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 Annual 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 Annual 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 AAAAA and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_X Annual unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of January 1, 2015, or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.430(b) and for each control period thereafter.

(2) A CSAPR NO_X Annual unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.430(b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_X Annual 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 Annual allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_X Annual 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 Annual 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 Annual 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 AAAAA.

(vi) Limited authorization. A CSAPR NO_X Annual 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 Annual Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart AAAAA , 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 Annual 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 Annual allowances in accordance with 40 CFR Part 97, Subpart AAAAA.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.430 through 97.435, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subparts B and 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 Annual source and each CSAPR NO_x Annual 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 § 97.416 for the designated representative for the source and each CSAPR NO_x Annual 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 § 97.416 changing the designated representative.

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

(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 Annual Trading Program.

(ii) The designated representative of a CSAPR NO_x Annual source and each CSAPR NO_x Annual unit at the source shall make all submissions required under the CSAPR NO_x Annual Trading Program, except as provided in 40 CFR § 97.418. 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 Annual Trading Program that applies to a CSAPR NO_x Annual source or the designated representative of a CSAPR NO_x Annual source shall also apply to the owners and operators of such source and of the CSAPR NO_x Annual units at the source.

(ii) Any provision of the CSAPR NO_x Annual Trading Program that applies to a CSAPR NO_x Annual unit or the designated representative of a CSAPR NO_x Annual 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 Annual Trading Program or exemption under 40 CFR § 97.405 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Annual source or CSAPR NO_x Annual unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

26. CSAPR SO_2 Group 2 Trading Program Requirements (40 CFR § 97.706)

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 §§ 97.713 through 97.718.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR SO_2 Group 2 source and each CSAPR SO_2 Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.730 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.731 (initial monitoring system certification and recertification procedures), § 97.732 (monitoring system out-of-control periods), §97.733 (notifications concerning monitoring), §97.734 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.735 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.730 through § 97.735 and any other credible evidence shall be used to calculate allocations of CSAPR SO_2 Group 2 allowances under 40 CFR §§ 97.711(a)(2) and (b) and § 97.712 and to determine compliance with the CSAPR SO_2 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 §§ 97.730 through 97.735 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. SO_2 emissions requirements

(i) CSAPR SO_2 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 SO_2 Group 2 source and each CSAPR SO_2 Group 2 unit at the source shall hold, in the source's compliance account, CSAPR SO_2 Group 2 allowances available for deduction for such control period under 40 CFR § 97.724(a) in an amount not less than the tons of total SO_2 emissions for such control period from all CSAPR SO_2 Group 2 units at the source.

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

(a) The owners and operators of the source and each CSAPR SO_2 Group 2 unit at the source shall hold the CSAPR SO_2 Group 2 allowances required for deduction under 40 CFR § 97.724(d); and

(b) The owners and operators of the source and each CSAPR SO_2 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 DDDDD and the Clean Air Act.

(ii) CSAPR SO_2 Group 2 assurance provisions

(1) If total SO_2 emissions during a control period in a given year from all CSAPR SO_2 Group 2 units at CSAPR SO_2 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 SO_2 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 SO_2 Group 2 allowances available for deduction for such control period under 40 CFR § 97.725(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 § 97.725(b), of multiplying—

(a) The quotient of the amount by which the common designated representative's share of such SO_2 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 SO_2 emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total SO_2 emissions from all CSAPR SO_2 Group 2 units at CSAPR SO_2 Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR SO_2 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 SO_2 emissions from all CSAPR SO_2 Group 2 units at CSAPR SO_2 Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total SO_2 emissions exceed the sum, for such control period, of the state SO_2 Group 2 trading budget under 40 CFR § 97.710(a) and the state's variability limit under 40 CFR § 97.710(b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart DDDDD or of the Clean Air Act if total SO_2 emissions from all CSAPR SO_2 Group 2 units at CSAPR SO_2 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 SO_2 emissions from the CSAPR SO_2 Group 2 units at CSAPR SO_2 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 SO_2 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 SO_2 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 DDDDD and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR SO_2 Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of January 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.730(b) and for each control period thereafter.

(2) A CSAPR SO_2 Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of January 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.730(b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR SO_2 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 SO_2 Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR SO_2 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 SO_2 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 SO_2 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 DDDDD.

(vi) Limited authorization. A CSAPR SO_2 Group 2 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 CSAPR SO_2 Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart DDDDD, 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 SO_2 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 SO_2 Group 2 allowances in accordance with 40 CFR Part 97, Subpart DDDDD.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.730 through 97.735, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subparts B and 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 SO_2 Group 2 source and each CSAPR SO_2 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 § 97.716 for the designated representative for the source and each CSAPR SO_2 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 § 97.716 changing the designated representative.

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

(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 SO_2 Group 2 Trading Program.

(ii) The designated representative of a CSAPR SO_2 Group 2 source and each CSAPR SO_2 Group 2 unit at the source shall make all submissions required under the CSAPR SO_2 Group 2 Trading Program, except as provided in 40 CFR § 97.718. 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 SO_2 Group 2 Trading Program that applies to a CSAPR SO_2 Group 2 source or the designated representative of a CSAPR SO_2 Group 2 source shall also apply to the owners and operators of such source and of the CSAPR SO_2 Group 2 units at the source.

(ii) Any provision of the CSAPR SO_2 Group 2 Trading Program that applies to a CSAPR SO_2 Group 2 unit or the designated representative of a CSAPR SO_2 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 SO_2 Group 2 Trading Program or exemption under 40 CFR § 97.705 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR SO_2 Group 2 source or CSAPR SO_2 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.

27. 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.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 39

Applicable Requirements Summary 53

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	REG2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200-1	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
4	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R111-3	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	REG2-1	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Solid fossil fuel., Heat Input = Design heat input is greater than 1500 MMBtu/hr.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	REG2-2	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Liquid fuel., Heat Input = Design heat input is greater than 250 MMBtu/hr., Stack Height = The effective stack height is at least the standard effective stack height for each stack to which the unit routes emissions.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200-2	30 TAC Chapter 117, Utility Electric Generation	CO Emission Limitation = Title 30 TAC § 117.1210(b)(1)., NH3 Emission Limitation = Title 30 TAC § 117.1210(b)(2).

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200-7	30 TAC Chapter 117, Utility Electric Generation	CO Emission Limitation = Unit is complying with an Alternative Case Specific Specifications under 30 TAC §§ 117.1025, 117.1225 or 117.1325., NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.1025, 117.1225 or 117.1325.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-1	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Gaseous fossil fuel.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-2	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Solid fossil fuel.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-3	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Gaseous fossil fuel., D-SERIES FUEL TYPE #2 = Solid fossil fuel.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-4	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Liquid fossil fuel., D-SERIES FUEL TYPE #2 = Gaseous fossil fuel.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-5	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Liquid fossil fuel., D-SERIES FUEL TYPE #2 = Solid fossil fuel.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60D-6	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Liquid fossil fuel., D-SERIES FUEL TYPE #2 = Gaseous fossil fuel., D-SERIES FUEL TYPE #3 = Solid fossil fuel.
7	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63UUUUU	40 CFR Part 63, Subpart UUUUU	No changing attributes.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R111-3	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	REG2-1	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Solid fossil fuel., Heat Input = Design heat input is greater than 1500 MMBtu/hr.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	REG2-2	30 TAC Chapter 112, Sulfur Compounds	Fuel Type = Liquid fuel., Heat Input = Design heat input is greater than 250 MMBtu/hr., Stack Height = The effective stack height is at least the standard effective stack height for each stack to which the unit routes emissions.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200-2	30 TAC Chapter 117, Utility Electric Generation	CO Emission Limitation = Title 30 TAC § 117.1210(b)(1)., NH3 Emission Limitation = Title 30 TAC § 117.1210(b)(2).

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200-8	30 TAC Chapter 117, Utility Electric Generation	CO Emission Limitation = Unit is complying with an Alternative Case Specific Specifications under 30 TAC §§ 117.1025, 117.1225 or 117.1325., NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.1025, 117.1225 or 117.1325.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-1	40 CFR Part 60, Subpart Da	DUCT BURNER = The unit is not a duct burner, D-SERIES FUEL TYPE #1 = Solid fossil fuel, SO2 EMISSION RATE = SO2 emission rate is greater than or equal to 0.20 lb/MMBtu (86 ng/J) heat input but less than or equal to 0.60 lb/MMBtu (260 ng/J) heat input.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-2	40 CFR Part 60, Subpart Da	DUCT BURNER = The unit is not a duct burner, D-SERIES FUEL TYPE #1 = Natural gas, SO2 EMISSION RATE = SO2 emission rate is less than 0.20 lb/MMBtu (86 ng/J) heat input.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-3	40 CFR Part 60, Subpart Da	DUCT BURNER = The unit is not a duct burner, D-SERIES FUEL TYPE #1 = Liquid fossil fuel, SO2 EMISSION RATE = SO2 emission rate is less than 0.20 lb/MMBtu (86 ng/J) heat input.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-4	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #1 = Liquid fossil fuel, D-SERIES FUEL TYPE #2 = Solid fossil fuel, SO2 EMISSION RATE = SO2 emission rate is greater than or equal to 0.20 lb/MMBtu (86 ng/J) heat input but less than or equal to 0.60 lb/MMBtu (260 ng/J) heat input.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-5	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #1 = Liquid fossil fuel, D-SERIES FUEL TYPE #2 = Natural gas, SO2 EMISSION RATE = SO2 emission rate is less than 0.20 lb/MMBtu (86 ng/J) heat input.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-6	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #1 = Liquid fossil fuel, D-SERIES FUEL TYPE #2 = Solid fossil fuel, D-SERIES FUEL TYPE #3 = Natural gas, SO2 EMISSION RATE = SO2 emission rate is greater than or equal to 0.20 lb/MMBtu (86 ng/J) heat input but less than or equal to 0.60 lb/MMBtu (260 ng/J) heat input.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Da-7	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #1 = Solid fossil fuel, D-SERIES FUEL TYPE #2 = Natural gas, SO2 EMISSION RATE = SO2 emission rate is greater than or equal to 0.20 lb/MMBtu (86 ng/J) heat input but less than or equal to 0.60 lb/MMBtu (260 ng/J) heat input.
8	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63UUUUU	40 CFR Part 63, Subpart UUUUU	No changing attributes.
AB1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R71200	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
AB1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-1	40 CFR Part 60, Subpart Db	No changing attributes.
AB1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
ENG-168HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-4	30 TAC Chapter 111, Visible Emissions	No changing attributes.
ENG-168HP	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-250HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
ENG-250HP	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-435HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-4	30 TAC Chapter 111, Visible Emissions	No changing attributes.
ENG-435HP	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-44HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
ENG-44HP	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-504HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
ENG-650HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
ENG-765HP	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-1-4VENTS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	1-LOFSV, 1-LOVEV, 1-SOVEV, 2-LOFSV, 2-LOVEV, 2-SOVEV, 3-LOFSV, 3-LOVEV, 3-SOVEV, 4-LOFSV, 4-LOVEV, 4-SOVEV	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-5&6CL	COAL PREPARATION PLANTS	5&6CH10, 5&6CH1A, 5&6CH1B, 5&6CH1C, 5&6CH4, 5&6CH6, 5&6CH7A, 5&6CH7B, 5&6CH9A, 5&6CH9B	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-5VENTS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	5-FPLOV, 5-LOVEV, 5-SOVEV	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-6VENTS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	6-FPLOV, 6-LOVEV, 6-SOVEV	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-7&8CL	COAL PREPARATION PLANTS	7&8CH1A, 7&8CH1B, 7&8CH3, 7&8CH4, 7&8CH5, 7&8CH6, 7&8CH7A, 7&8CH7B, 7&8CH7C, 7&8CH7D, 7&8CH7E, 7&8CH7F	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-7VENTS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	7A-FPLOV, 7B-FPLOV, 7-LOVEV, 7-SOVEV	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-8VENTS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	8A-FPLOV, 8B-FPLOV, 8-LOVEV, 8-SOVEV	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-B1-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1, 2	REG2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
GRP-B1-2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1, 2	R71200-1	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
GRP-B1-2S	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	WAP1A, WAP1B, WAP2A, WAP2B	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	R111-3	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	REG2-1	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	R71200-2	30 TAC Chapter 117, Utility Electric Generation	CO Emission Limitation = Title 30 TAC § 117.1210(b)(1)., NH3 Emission Limitation = Title 30 TAC § 117.1210(b)(2).
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	R71200-4	30 TAC Chapter 117, Utility Electric Generation	CO Emission Limitation = Unit is complying with an Alternative Case Specific Specifications under 30 TAC §§ 117.1025, 117.1225 or 117.1325., NH3 Emission Limitation = Unit is complying with an Alternative Case Specific Specification under 30 TAC §§ 117.1025, 117.1225 or 117.1325.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	60D-1	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Gaseous fossil fuel.
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	60D-2	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Solid fossil fuel.
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	60D-3	40 CFR Part 60, Subpart D	D-SERIES FUEL TYPE #1 = Gaseous fossil fuel., D-SERIES FUEL TYPE #2 = Solid fossil fuel.
GRP-B5-6A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	5, 6	63UUUUU	40 CFR Part 63, Subpart UUUUU	No changing attributes.
GRP-B5-6S	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	WAP5, WAP6	R111-1	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is less than or equal to 30% as reported to the Federal Power Commission for the calendar year 1974.
GRP-B5-6S	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	WAP5, WAP6	R111-2	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is greater than 30%, as reported to the Federal Power Commission for calendar year 1974, Heat Input = Heat Input is greater than 250 MMBtu/hr.
GRP-OWSEP	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	S1, S2, S3	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTK1	STORAGE TANKS/VESSELS	A-102-1, A-102-2, A-103-1, A-103-2, A-103-3, A-117, A-118, A-119, A-120, A-121, A-122, A-123, A-204	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTK2	STORAGE TANKS/VESSELS	B-104-1, B-104-2, B-105, B-109-1, B-154, B-163	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTK3	STORAGE TANKS/VESSELS	B-103-1, B-103-2, B-103-3, B-103-4, B-159, B-164, B-165, B-166	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTK4	STORAGE TANKS/VESSELS	B-107, B-120-1, B-120-2, B-167	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GT1	STATIONARY TURBINES	N/A	R71200	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
SCRUB	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is less than or equal to 30% as reported to the Federal Power Commission for the calendar year 1974.
SCRUB	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is greater than 30%, as reported to the Federal Power Commission for calendar year 1974, Heat Input = Heat Input is greater than 250 MMBtu/hr.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
WAP3A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAP3B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAP4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAP7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is less than or equal to 30% as reported to the Federal Power Commission for the calendar year 1974.
WAP7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-2	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is greater than 30%, as reported to the Federal Power Commission for calendar year 1974, Heat Input = Heat Input is greater than 250 MMBtu/hr.
WAP8	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is less than or equal to 30% as reported to the Federal Power Commission for the calendar year 1974.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
WAP8	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-2	30 TAC Chapter 111, Visible Emissions	Annual ACF = Annual average capacity factor is greater than 30%, as reported to the Federal Power Commission for calendar year 1974, Heat Input = Heat Input is greater than 250 MMBtu/hr.
WAPAB	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPACT5	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPACT6	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPACT7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPACT8	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPAUX1-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPGT1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
WAPMCT7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPMCT8	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WAPUNLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5212-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
3	EU	REG2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
3	EU	R71200-1	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(A) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	The owner or operator of each gas fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.030, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) [G]§ 117.1254(a)(1) § 117.1254(a)(2) § 117.1254(a)(3) § 117.1254(a)(4) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2)

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)
									§ 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
3	EU	R71200-1	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(1) § 117.1210(b) § 117.1210(b)(1)(B)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.30 lb/MMBtu heat input for gas-fired utility boilers.	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(5) § 117.1240(b) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

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)
4	EU	R71200	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(A) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	The owner or operator of each gas fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.030, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) [G]§ 117.1254(a)(1) § 117.1254(a)(2) § 117.1254(a)(3) § 117.1254(a)(4) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
4	EU	R71200	CO	30 TAC Chapter 117, Utility	§ 117.1210(b)(1) § 117.1210(b)	No person shall allow the discharge	§ 117.1235(a) § 117.1235(a)(1)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(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)
				Electric Generation	§ 117.1210(b)(1)(B)	into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.30 lb/MMBtu heat input for gas-fired utility boilers.	§ 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(5) § 117.1240(b) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		§ 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
7	EU	R111-3	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	** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						input, averaged over a two-hour period.			
7	EU	REG2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.8(a)	Except as in §112.8(b), no person may cause, suffer, allow, or permit emissions ofSO2 from solid fossil fuel-fired steam generators to exceed 3.0 lb/MMBtu heat input averaged over a 3-hour period.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
7	EU	REG2-2	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
7	EU	R71200-2	NO_X	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(B)(ii) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(a)(1)(B) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e)	The owner or operator of each coal-fired tangential-fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.045, in pounds	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(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)
					§ 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)		§ 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) [G]§ 117.1254(a) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
7	EU	R71200-2	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(1) § 117.1210(b) § 117.1210(b)(1)(B)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(5) § 117.1240(b) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256

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)
						alternatively, 0.33 lb/MMBtu heat input for coal-fired utility boilers.			§ 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
7	EU	R71200-2	NH_3	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(2) § 117.1210(b) § 117.1210(b)(2)(A)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, ammonia emissions in excess of 10 ppmv, at 3.0% O2, dry, for boilers that inject urea or ammonia into the exhaust stream for NO_x control.	§ 117.1235(a) § 117.1235(a)(2) § 117.1235(a)(3) § 117.1240(c) § 117.1240(i) ** See Periodic Monitoring Summary	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
7	EU	R71200-7	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(B)(ii) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(a)(1)(B) § 117.1210(c)(3) § 117.1220(a)	The owner or operator of each coal-fired tangential-fired utility boiler shall ensure that	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2)

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)
					§ 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	emissions of nitrogen oxides (NO_x) do not exceed 0.045, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)		[G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) [G]§ 117.1254(a) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
7	EU	R71200-7	CO	30 TAC Chapter 117, Utility Electric Generation	[G]§ 117.1225(a) § 117.1225(b)	Where a person can demonstrate that an affected unit cannot attain the applicable requirements of the carbon monoxide (CO) specifications of §117.1210(b) of this title (relating to Emission Specifications for Attainment	** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Demonstration), the executive director may approve emission specifications different from the CO specifications in §117.1210(b) of this title for that unit per: §117.1225(a)(1)-(3).			
7	EU	R71200-7	NH_3	30 TAC Chapter 117, Utility Electric Generation	[G]§ 117.1225(a) § 117.1225(b)	Where a person can demonstrate that an affected unit cannot attain the applicable requirements of the ammonia specifications of §117.1210(b) of this title (relating to Emission Specifications for Attainment Demonstration), the executive director may approve emission specifications different from the ammonia specifications in §117.1210(b) of this title for that unit per: §117.1225(a)(1)-(3).	** See Periodic Monitoring Summary	None	None
7	EU	60D-1	PM	40 CFR Part 60,	§ 60.42(a)(1)	On/after the §60.8	§ 60.46(a)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Subpart D		tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(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		
7	EU	60D-1	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
7	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(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)	None	§ 60.45(g)
7	EU	60D-1	NO_x	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing	§ 60.45(a) § 60.45(b)(3) § 60.45(c) § 60.45(c)(1)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 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)(3) § 60.45(g)(3)(i) § 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)		
7	EU	60D-2	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
7	EU	60D-2	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						hour of not more than 27% opacity.			
7	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 in excess of 520 ng/J heat input (1.2 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
7	EU	60D-2	NO_x	40 CFR Part 60, Subpart D	§ 60.44(a)(3)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 300 ng/J heat input (0.7 lb/MMBtu) derived from the specified fuels.	§ 60.45(a) § 60.45(b)(3) § 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)(3) § 60.45(g)(3)(i) § 60.46(a) § 60.46(b)(1)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7)		
7	EU	60D-3	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
7	EU	60D-3	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
7	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using	§ 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)	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)
						the specified formula.	[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)		
7	EU	60D-3	NO_x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(a) § 60.45(b)(3) § 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)(3) § 60.45(g)(3)(i) § 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)	None	§ 60.45(g)
7	EU	60D-4	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected	§ 60.46(a) § 60.46(b)(1)	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)
						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.	[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		
7	EU	60D-4	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
7	EU	60D-4	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c)	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(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)		
7	EU	60D-4	NO_x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 60.45(a) § 60.45(b)(3) § 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)(3) § 60.45(g)(3)(i) § 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)	None	§ 60.45(g)
7	EU	60D-5	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or	§ 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	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)
						fossil fuel and wood residue.	Summary		
7	EU	60D-5	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
7	EU	60D-5	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
7	EU	60D-5	NO_x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d),	§ 60.45(a) § 60.45(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)
						when different fossil fuels are burned simultaneously in any combination, the applicable standard is 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)(3) § 60.45(g)(3)(i) § 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)		
7	EU	60D-6	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
7	EU	60D-6	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.46(a) § 60.46(b)(3) ** See CAM Summary		
7	EU	60D-6	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
7	EU	60D-6	NO_x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different fossil fuels are burned simultaneously in any combination, the applicable standard is	§ 60.45(a) § 60.45(b)(3) § 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)	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)
						determined by proration using the specified formula.	[G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(3) § 60.45(g)(3)(i) § 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)		
7	EU	63UUUUU	112(B) HAPS	40 CFR Part 63, Subpart UUUUU	§ 63.9981 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart UUUUU
8	EU	R111-3	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	** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a two-hour period.			
8	EU	REG2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.8(a)	Except as in §112.8(b), no person may cause, suffer, allow, or permit emissions ofSO2 from solid fossil fuel-fired steam generators to exceed 3.0 lb/MMBtu heat input averaged over a 3-hour period.	§ 112.2(a) § 112.8(d) ** See CAM Summary	§ 112.2(c)	§ 112.2(b)
8	EU	REG2-2	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) § 112.9(e)	§ 112.2(c)	§ 112.2(b)
8	EU	R71200-2	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(B)(ii) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(a)(1)(B) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i)	The owner or operator of each coal-fired tangential-fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.045, in pounds per million British	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2)

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)
					§ 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)		§ 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) [G]§ 117.1254(a) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
8	EU	R71200-2	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(1) § 117.1210(b) § 117.1210(b)(1)(B)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.33	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(5) § 117.1240(b) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010

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)
						lb/MMBtu heat input for coal-fired utility boilers.			[G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
8	EU	R71200-2	NH_3	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(2) § 117.1210(b) § 117.1210(b)(2)(A)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, ammonia emissions in excess of 10 ppmv, at 3.0% O2, dry, for boilers that inject urea or ammonia into the exhaust stream for NO_x control.	§ 117.1235(a) § 117.1235(a)(2) § 117.1235(a)(3) § 117.1240(c) § 117.1240(i) ** See Periodic Monitoring Summary	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
8	EU	R71200-8	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(B)(ii) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(a)(1)(B) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b)	The owner or operator of each coal-fired tangential-fired utility boiler shall ensure that emissions of	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c)

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]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	nitrogen oxides (NO_x) do not exceed 0.045, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)		§ 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) [G]§ 117.1254(a) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
8	EU	R71200-8	CO	30 TAC Chapter 117, Utility Electric Generation	[G]§ 117.1225(a) § 117.1225(b)	Where a person can demonstrate that an affected unit cannot attain the applicable requirements of the carbon monoxide (CO) specifications of §117.1210(b) of this title (relating to Emission Specifications for Attainment Demonstration), the	** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						executive director may approve emission specifications different from the CO specifications in §117.1210(b) of this title for that unit per: §117.1225(a)(1)-(3).			
8	EU	R71200-8	NH_3	30 TAC Chapter 117, Utility Electric Generation	[G]§ 117.1225(a) § 117.1225(b)	Where a person can demonstrate that an affected unit cannot attain the applicable requirements of the ammonia specifications of §117.1210(b) of this title (relating to Emission Specifications for Attainment Demonstration), the executive director may approve emission specifications different from the ammonia specifications in §117.1210(b) of this title for that unit per: §117.1225(a)(1)-(3).	** See Periodic Monitoring Summary	None	None
8	EU	60Da-1	PM, PM(OPACI	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder	The permit holder shall comply with	The permit holder shall comply with	The permit holder shall comply with the	The permit holder shall comply with the

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)
			TY), NOX, SO_2		shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	the applicable requirements of 40 CFR Part 60, Subpart Da	the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da ** See CAM Summary	applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	applicable reporting requirements of 40 CFR Part 60, Subpart Da
8	EU	60Da-2	PM, PM(OPACITY), NOX, SO_2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da ** See CAM Summary	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
8	EU	60Da-3	PM, PM(OPACITY), NOX, SO_2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da ** See CAM Summary	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
8	EU	60Da-4	PM, PM(OPACITY), NOX, SO_2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da

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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)
					CFR Part 60, Subpart Da		** See CAM Summary		
8	EU	60Da-5	PM, PM(OPACITY), NOX, SO_2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da ** See CAM Summary	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
8	EU	60Da-6	PM, PM(OPACITY), NOX, SO_2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da ** See CAM Summary	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
8	EU	60Da-7	PM, PM(OPACITY), NOX, SO_2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Da ** See CAM Summary	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
8	EU	63UUUUU	112(B) HAPS	40 CFR Part 63, Subpart UUUUU	§ 63.9981 The permit holder shall comply with the	The permit holder shall comply with the applicable	The permit holder shall comply with the applicable	The permit holder shall comply with the applicable	The permit holder shall comply with the applicable reporting

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)
					applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart UUUUU	requirements of 40 CFR Part 63, Subpart UUUUU	monitoring and testing requirements of 40 CFR Part 63, Subpart UUUUU	recordkeeping requirements of 40 CFR Part 63, Subpart UUUUU	requirements of 40 CFR Part 63, Subpart UUUUU
AB1	EU	R71200	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(2) § 117.1210(c)(4) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	Emission specifications for the Mass Emission Cap and Trade Program. The owner or operator of each auxiliary steam boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.030, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(f) § 117.1240(f)(1) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
AB1	EU	R71200	CO	30 TAC Chapter	§ 117.1210(b)(1)	No person shall	§ 117.1235(a)	§ 117.1245(a)	§ 117.1235(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)
				117, Utility Electric Generation	§ 117.1210(b) § 117.1210(b)(1)(A)	allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.30 lb/MMBtu heat input for gas-fired auxiliary steam boilers.	§ 117.1235(a)(1) § 117.1235(a)(3) § 117.1240(b) § 117.1240(f) § 117.1240(f)(2) § 117.1240(i) § 117.8120	[G]§ 117.1245(e)	§ 117.1245(b) § 117.1245(b)(1) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
AB1	EU	60Db-1	SO_2	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
AB1	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed,	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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)
						modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).			
AB1	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
AB1	EU	60Db-1	NO_x	40 CFR Part 60, Subpart Db	§ 60.44b(a)(1)(ii) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Except as in §60.44b(k), (l), on/after §60.8 test, no facility combusting natural gas and distillate oil (high heat release rate) shall discharge gases containing NOx in excess of 86 ng/J heat input.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(4) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f) § 60.48b(g)(1)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(h)(4) § 60.49b(i) § 60.49b(v) § 60.49b(w)
AB1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation,	The permit holder shall comply with the applicable requirements of 40	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	CFR Part 63, Subpart DDDDD	testing requirements of 40 CFR Part 63, Subpart DDDDD	requirements of 40 CFR Part 63, Subpart DDDDD	CFR Part 63, Subpart DDDDD
ENG-168HP	EP	R1111-4	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
ENG-168HP	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
ENG-250HP	EP	R1111-5	PM (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
ENG-250HP	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1)	For each existing emergency	§ 63.6625(f) § 63.6625(i)	§ 63.6625(i) § 63.6655(a)	§ 63.6640(b) § 63.6640(e)

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)
					§ 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	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.	§ 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6650(f)
ENG-435HP	EP	R1111-4	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
ENG-435HP	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
ENG-44HP	EP	R1111-5	PM (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

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)
ENG-44HP	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 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(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
ENG-504HP	EP	R1111-5	PM (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
ENG-650HP	EP	R1111-5	PM (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
ENG-765HP	EP	R1111-5	PM (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	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						six minute period for any source on which construction was begun after January 31, 1972.			
GRP-1-4VENTS	EP	R1111-5	PM (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
GRP-5&6CL	EU	60Y-1	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.256(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed,	§ 60.255(a) § 60.256(a) § 60.256(a)(2) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.			
GRP-5VENTS	EP	R1111-5	PM (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
GRP-6VENTS	EP	R1111-5	PM (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
GRP-7&8CL	EU	60Y-1	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.256(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to	§ 60.255(a) § 60.256(a) § 60.256(a)(2) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.			
GRP-7VENTS	EP	R1111-5	PM (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
GRP-8VENTS	EP	R1111-5	PM (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	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						January 31, 1972.			
GRP-B1-2	EU	REG2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
GRP-B1-2	EU	R71200-1	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(A) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	The owner or operator of each gas fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.030, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) [G]§ 117.1254(a)(1) § 117.1254(a)(2) § 117.1254(a)(3) § 117.1254(a)(4) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010

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)
						title.			[G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-B1-2	EU	R71200-1	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(1) § 117.1210(b) § 117.1210(b)(1)(B)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.30 lb/MMBtu heat input for gas-fired utility boilers.	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(5) § 117.1240(b) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6)

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]§ 117.8010(7) [G]§ 117.8010(8)
GRP-B1-2S	EP	R111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-B5-6A	EU	R111-3	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
GRP-B5-6A	EU	REG2-1	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.8(a)	Except as in §112.8(b), no person may cause, suffer, allow, or permit emissions ofSO2 from solid fossil fuel-fired steam generators to exceed 3.0	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						lb/MMBtu heat input averaged over a 3-hour period.			
GRP-B5-6A	EU	R71200-2	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(B)(i) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(a)(1)(B) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	The owner or operator of each coal-fired wall-fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.050, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) [G]§ 117.1254(a)(1) § 117.1254(a)(2) § 117.1254(a)(3) § 117.1254(a)(4) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

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]§ 117.8010(8)
GRP-B5-6A	EU	R71200-2	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(1) § 117.1210(b) § 117.1210(b)(1)(B)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.33 lb/MMBtu heat input for coal-fired utility boilers.	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(5) § 117.1240(b) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2) § 117.8120 § 117.8120(1) § 117.8120(1)(A)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-B5-6A	EU	R71200-2	NH_3	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(2) § 117.1210(b) § 117.1210(b)(2)(A)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in	§ 117.1235(a) § 117.1235(a)(2) § 117.1235(a)(3) § 117.1240(c) § 117.1240(i) ** See Periodic Monitoring Summary	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1254(a) § 117.1254(a)(3) § 117.1254(a)(4) § 117.1254(c) § 117.1256

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)
						subsection (a) of this section, ammonia emissions in excess of 10 ppmv, at 3.0% O2, dry, for boilers that inject urea or ammonia into the exhaust stream for NO_x control.			§ 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-B5-6A	EU	R71200-4	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(1)(B)(i) [G]§ 117.1203(c) § 117.1210(a)(1) § 117.1210(a)(1)(B) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j) § 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	The owner or operator of each coal-fired wall-fired utility boiler shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.050, in pounds per million British thermal units (lb/MMBtu) heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1220(d) [G]§ 117.1220(e)(1) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1235(c) § 117.1235(d) § 117.1235(d)(1) § 117.1235(d)(2) § 117.1235(d)(3) § 117.1240(a) § 117.1240(d) [G]§ 117.1240(d)(2) § 117.1240(i) § 117.1240(n) § 117.1240(o)(1) § 117.8110(a) § 117.8110(a)(1) [G]§ 117.8110(a)(2)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1245(b)(2) [G]§ 117.1245(c) § 117.1245(d) § 117.1245(d)(1) § 117.1245(d)(1)(B) § 117.1245(d)(2) § 117.1245(d)(3) § 117.1245(d)(4) § 117.1245(d)(5) § 117.1254(a) [G]§ 117.1254(a)(1) § 117.1254(a)(2) § 117.1254(a)(3) § 117.1254(a)(4) [G]§ 117.1254(b) § 117.1254(c) § 117.1256 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(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)
									§ 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRP-B5-6A	EU	R71200-4	CO	30 TAC Chapter 117, Utility Electric Generation	[G]§ 117.1225(a) § 117.1225(b)	Where a person can demonstrate that an affected unit cannot attain the applicable requirements of the carbon monoxide (CO) specifications of §117.1210(b) of this title (relating to Emission Specifications for Attainment Demonstration), the executive director may approve emission specifications different from the CO specifications in §117.1210(b) of this title for that unit per: §117.1225(a)(1)-(3).	** See Periodic Monitoring Summary	None	None
GRP-B5-6A	EU	R71200-4	NH_3	30 TAC Chapter 117, Utility Electric Generation	[G]§ 117.1225(a) § 117.1225(b)	Where a person can demonstrate that an affected unit cannot attain the applicable	** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements of the ammonia specifications of §117.1210(b) of this title (relating to Emission Specifications for Attainment Demonstration), the executive director may approve emission specifications different from the ammonia specifications in §117.1210(b) of this title for that unit per: §117.1225(a)(1)-(3).			
GRP-B5-6A	EU	60D-1	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-B5-6A	EU	60D-1	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.46(a) § 60.46(b)(3) ** See CAM Summary		
GRP-B5-6A	EU	60D-1	SO_2	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO_2 emission requirements.	§ 60.45(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)	None	§ 60.45(g)
GRP-B5-6A	EU	60D-1	NO_x	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(a) § 60.45(b)(3) § 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)(3) § 60.45(g)(3)(i) § 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)	None	§ 60.45(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.46(d)(7)		
GRP-B5-6A	EU	60D-2	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None
GRP-B5-6A	EU	60D-2	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-B5-6A	EU	60D-2	SO_2	40 CFR Part 60, Subpart D	§ 60.43(a)(2)	On/after the §60.8 tests, no affected facility shall emit gases containing SO2 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)	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(b)(4) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)		
GRP-B5-6A	EU	60D-2	NO_x	40 CFR Part 60, Subpart D	§ 60.44(a)(3)	On/after the §60.8 tests, no affected facility shall emit gases containing NOx, expressed as NO2, in excess of 300 ng/J heat input (0.7 lb/MMBtu) derived from the specified fuels.	§ 60.45(a) § 60.45(b)(3) § 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)(3) § 60.45(g)(3)(i) § 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)	None	§ 60.45(g)
GRP-B5-6A	EU	60D-3	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						residue.			
GRP-B5-6A	EU	60D-3	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(a) § 60.45(c) § 60.45(c)(3) § 60.45(g) § 60.45(g)(1) § 60.46(a) § 60.46(b)(3) ** See CAM Summary	None	§ 60.45(g)
GRP-B5-6A	EU	60D-3	SO_2	40 CFR Part 60, Subpart D	§ 60.43(b) § 60.43(c)	When different fossil fuels are burned simultaneously in any combination, the applicable standard (ng/J) shall be determined by proration using the specified formula.	§ 60.45(a) § 60.45(c) § 60.45(c)(1) § 60.45(c)(2) § 60.45(c)(3) § 60.45(c)(3)(i) § 60.45(c)(3)(ii) § 60.45(c)(4) [G]§ 60.45(e) [G]§ 60.45(f) § 60.45(g) § 60.45(g)(2)(i) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(4) [G]§ 60.46(c) [G]§ 60.46(d)(1) [G]§ 60.46(d)(3) § 60.46(d)(4) § 60.46(d)(6) § 60.46(d)(7)	None	§ 60.45(g)
GRP-B5-6A	EU	60D-3	NO_x	40 CFR Part 60, Subpart D	§ 60.44(b)	Except as stated in §60.44(c) and (d), when different	§ 60.45(a) § 60.45(b)(3) § 60.45(c)	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)
						fossil fuels are burned simultaneously in any combination, the applicable standard is determined by proration using the specified formula.	§ 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)(3) § 60.45(g)(3)(i) § 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)		
GRP-B5-6A	EU	63UUUUU	112(B) HAPS	40 CFR Part 63, Subpart UUUUU	§ 63.9981 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart UUUUU	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart UUUUU
GRP-B5-6S	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)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	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)
						which construction was begun after January 31, 1972.			
GRP-B5-6S	EP	R111-2	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F) § 111.111(a)(2)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
GRP-OWSEP	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	[G]§ 115.135(a) § 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
GRPTK1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPTK2	EU	R5112-1	VOC	30 TAC Chapter	§ 115.111(a)(1)	Except as provided	[G]§ 115.117	§ 115.118(a)(1)	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)
				115, Storage of VOCs		in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.		§ 115.118(a)(5) § 115.118(a)(7)	
GRPTK3	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPTK4	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GT1	EU	R71200	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(a)(3) [G]§ 117.1203(c) § 117.1210(c)(3) § 117.1220(a) § 117.1220(b) [G]§ 117.1220(c) § 117.1220(d) § 117.1220(e) § 117.1220(i) § 117.1220(j)	Emission specifications for the Mass Emission Cap and Trade Program. The owner or operator of each stationary gas turbine (including duct burners used in turbine exhaust	§ 117.1220(d) § 117.1220(e)(2) § 117.1220(h) § 117.1220(k) § 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1240(a) § 117.1240(e) § 117.1240(e)(1)	§ 117.1220(f) § 117.1245(a) [G]§ 117.1245(e)	[G]§ 117.1203(c) § 117.1220(g) § 117.1235(b) § 117.1245(b) § 117.1245(b)(1) [G]§ 117.1254(b) § 117.1254(c) § 117.1256

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)
					§ 117.1220(k) § 117.1220(l) § 117.1220(m) § 117.1240(l) § 117.1240(l)(2) § 117.1240(o) § 117.1240(o)(3)	ducts), shall ensure that emissions of nitrogen oxides (NO_x) do not exceed 0.032, in lb/MMBtu heat input, on the basis of daily and 30-day averaging periods as specified in §117.1220 of this title, and as specified in the mass emissions cap and trade program of Chapter 101, Subchapter H, Division 3 of this title.	§ 117.1240(i) § 117.1240(n) § 117.1240(o)(1)		
GT1	EU	R71200	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1210(b)(1) § 117.1210(b) § 117.1210(b)(1)(A)	No person shall allow the discharge into the atmosphere from any unit subject to the NO_x emission specifications specified in subsection (a) of this section, carbon monoxide (CO) emissions in excess of 400 parts per million by volume (ppmv) at 3.0% oxygen (O2), dry, or alternatively, 0.30 lb/MMBtu heat input for gas-fired	§ 117.1235(a) § 117.1235(a)(1) § 117.1235(a)(3) § 117.1240(b) § 117.1240(i)	§ 117.1245(a) [G]§ 117.1245(e)	§ 117.1235(b) § 117.1245(b) § 117.1245(b)(1) § 117.1256

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)
						stationary gas turbines.			
SCRUB	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
SCRUB	EP	R1111-2	PM (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
WAP3A	EP	R111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAP3B	EP	R111-1	OPACITY	30 TAC Chapter 111, Visible	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary	[G]§ 111.111(a)(1)(F) ** See Periodic	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Emissions		vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	Monitoring Summary		
WAP4	EP	R111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAP7	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)	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) ** See Periodic Monitoring Summary	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
WAP7	EP	R111-2	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	§ 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

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)
						for any source on which construction was begun after January 31, 1972.			
WAP8	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)	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) ** See Periodic Monitoring Summary	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
WAP8	EP	R111-2	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
WAPAB	EP	R111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
WAPACT5	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAPACT6	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAPACT7	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAPACT8	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring	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)
						exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	Summary		
WAPAUX1-4	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAPGT1	EP	R111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAPMCT7	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.			
WAPMCT8	EP	R1111-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
WAPUNLOAD	EU	R5212-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary 112

Periodic Monitoring Summary 141

CAM Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-3
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 10% averaged over a six minute period during normal operations; Maximum Opacity = 20% averaged over a six minute period during maintenance, startup, and shutdown.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-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: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-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: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-4
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-5
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-6
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-4
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-5
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-6
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-3
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 10% averaged over a six minute period during normal operations; Maximum Opacity = 20% averaged over a six minute period during maintenance, startup, and shutdown.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 8	
Control Device ID No.: WAP8	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-1
Pollutant: SO_2	Main Standard: § 112.8(a)
Monitoring Information	
Indicator: Sulfur Dioxide Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Emissions of SO2 from any solid fossil fuel-fired steam generator shall not exceed 3.0 pounds per million Btu (MMBtu) heat input averaged over a three-hour period.	
CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. In addition, monitor oxygen or carbon dioxide with a CEMS operated in accordance with above CEMS procedures.	

CAM Summary

Unit/Group/Process Information	
ID No.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-1
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-2
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-3
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-4
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-5
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-6
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-7
Pollutant: PM	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R111-3
Pollutant: PM	Main Standard: § 111.153(b)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 10% averaged over a six minute period during normal operations; Maximum Opacity = 20% averaged over a six minute period during maintenance, startup, and shutdown.	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-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: Opacity shall not exceed 20% 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.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-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: Opacity shall not exceed 20% 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.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: PM	Main Standard: § 60.42(a)(1)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-2
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: GRP-B5-6A	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-3
Pollutant: PM (OPACITY)	Main Standard: § 60.42(a)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Opacity shall not exceed 20% 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.: 3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater shall not exceed 440 ppmv at actual stack conditions and averaged over a three-hour period.	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-1
Pollutant: SO_2	Main Standard: § 112.8(a)
Monitoring Information	
Indicator: SO2 Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Any monitoring data above the maximum limit of 3.0 lb/MMBtu averaged over a three-hour period shall be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the concentration of SO2 in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-2
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: SO2 Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Any monitoring data above the maximum limit of 400 ppmv averaged over a three-hour period shall be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the concentration of SO2 in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-2
Pollutant: NH_3	Main Standard: § 117.1210(b)(2)
Monitoring Information	
Indicator: NH3 Concentration	
Minimum Frequency: Annually (Calendar Year)	
Averaging Period: n/a	
Deviation Limit: Maximum NH3 = 10 ppmv on a one-hour average	
Periodic Monitoring Text: Test for the ammonia concentration in the exhaust gas in accordance with EPA Conditional Test Method 027 - "Procedure for Collection and Analysis of Ammonia in Stationary Sources." The ammonia concentration limit is the maximum ammonia concentration limit in the underlying applicable requirement. Any sampling results above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-7
Pollutant: CO	Main Standard: [G]§ 117.1225(a)
Monitoring Information	
Indicator: CO Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Maximum CO = 1,891 lb/hr, 24-hour avg (while firing coal only) or 1,973 lb/hr, 24-hour avg (while firing coal and supplementing with natural gas)	
Periodic Monitoring Text: Measure and record the concentration of carbon monoxide in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-7
Pollutant: NH_3	Main Standard: [G]§ 117.1225(a)
Monitoring Information	
Indicator: Planned unit startup and shutdown durations	
Minimum Frequency: Each planned startup and shutdown	
Averaging Period: n/a	
Deviation Limit: Planned unit startup and shutdown durations not to exceed those defined in NSR permit 5530/PSDTX33M1/N035.	
Periodic Monitoring Text: Measure and record the durations for planned unit startups and shutdowns. Durations are limited to the total number of hours as defined in NSR permit 5530/PSDTX33M1/N035. These durations are summarized as follows: A planned startup or shutdown shall not exceed 2,880 minutes in duration; extended startups or shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year and the total hours of extended shutdowns do not exceed 600 hours per unit per year. Any duration which exceeds the limits defined within the aforementioned permit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 8	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-2
Pollutant: NH_3	Main Standard: § 117.1210(b)(2)
Monitoring Information	
Indicator: NH3 Concentration	
Minimum Frequency: Annually (Calendar Year)	
Averaging Period: n/a	
Deviation Limit: Maximum NH3 = 10 ppmv on a one-hour average	
Periodic Monitoring Text: Test for the ammonia concentration in the exhaust gas in accordance with EPA Conditional Test Method 027 - "Procedure for Collection and Analysis of Ammonia in Stationary Sources." The ammonia concentration limit is the maximum ammonia concentration limit in the underlying applicable requirement. Any sampling results above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 8	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-8
Pollutant: CO	Main Standard: [G]§ 117.1225(a)
Monitoring Information	
Indicator: CO Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Maximum CO = 2,010 lb/hr, 24-hour avg	
Periodic Monitoring Text: Measure and record the concentration of carbon monoxide in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 8	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-8
Pollutant: NH_3	Main Standard: [G]§ 117.1225(a)
Monitoring Information	
Indicator: Planned unit startup and shutdown durations	
Minimum Frequency: Each planned startup and shutdown	
Averaging Period: n/a	
Deviation Limit: Planned unit startup and shutdown durations not to exceed those defined in NSR permit 7704/PSDTX234M2.	
Periodic Monitoring Text: Measure and record the durations for planned unit startups and shutdowns. Durations are limited to the total number of hours as defined in NSR permit 7704/PSDTX234M2. These durations are summarized as follows: A planned startup or shutdown shall not exceed 2,880 minutes in duration; extended startups or shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year and the total hours of extended shutdowns do not exceed 600 hours per unit per year. Any duration which exceeds the limits defined within the aforementioned permit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-168HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-4
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 30% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-250HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-435HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-4
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 30% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-44HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-504HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-650HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: ENG-765HP	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-1-4VENTS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-5&6CL	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-1
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity = 20%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-5VENTS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-6VENTS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-7&8CL	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-1
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum Opacity = 20%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-7VENTS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-8VENTS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-5
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 20% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B1-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-1
Pollutant: SO_2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater shall not exceed 440 ppmv at actual stack conditions and averaged over a three-hour period.	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B1-2S	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum Opacity =15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B5-6A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2-1
Pollutant: SO_2	Main Standard: § 112.8(a)
Monitoring Information	
Indicator: SO2 Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Any monitoring data above the maximum limit of 3.0 lb/MMBtu averaged over a three-hour period shall be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the concentration of SO2 in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B5-6A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-2
Pollutant: NH_3	Main Standard: § 117.1210(b)(2)
Monitoring Information	
Indicator: NH3 Concentration	
Minimum Frequency: Annually (Calendar Year)	
Averaging Period: n/a	
Deviation Limit: Maximum NH3 = 10 ppmv on a one-hour average	
Periodic Monitoring Text: Test for the ammonia concentration in the exhaust gas in accordance with EPA Conditional Test Method 027 - "Procedure for Collection and Analysis of Ammonia in Stationary Sources." The ammonia concentration limit is the maximum ammonia concentration limit in the underlying applicable requirement. Any sampling results above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B5-6A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-4
Pollutant: CO	Main Standard: [G]§ 117.1225(a)
Monitoring Information	
Indicator: CO Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Maximum CO = 2,168 lb/hr, 24-hour avg (while firing coal only) or 2,238 lb/hr, 24-hour avg (while firing coal and supplementing with natural gas)	
Periodic Monitoring Text: Measure and record the concentration of carbon monoxide in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B5-6A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Utility Electric Generation	SOP Index No.: R71200-4
Pollutant: NH_3	Main Standard: [G]§ 117.1225(a)
Monitoring Information	
Indicator: Planned unit startup and shutdown durations	
Minimum Frequency: Each planned startup and shutdown	
Averaging Period: n/a	
Deviation Limit: Planned unit startup and shutdown durations not to exceed those defined in NSR permit 2348A/PSDTX901/N033 (Unit 5) and NSR permit 2349A/PSDTX902/N034 (Unit 6).	
Periodic Monitoring Text: Measure and record the durations for planned unit startups and shutdowns. Durations are limited to the total number of hours as defined in NSR permit 2348A/PSDTX901/N033 (for Unit 5) and NSR permit 2349A/PSDTX902/N034 (for Unit 6). These durations are summarized as follows: A planned startup or shutdown shall not exceed 2,880 minutes in duration; extended startups or shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year and the total hours of extended shutdowns do not exceed 600 hours per unit per year. Any duration which exceeds the limits defined within the aforementioned permit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-B5-6S	
Control Device ID No.: GRP-B5-6S	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20% averaged over a six-minute period	
Periodic Monitoring Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAP3A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAP3B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAP4	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAP7	
Control Device ID No.: WAP7	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20% averaged over a six-minute period	
Periodic Monitoring Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAP8	
Control Device ID No.: WAP8	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20% averaged over a six-minute period	
Periodic Monitoring Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPAB	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPACT5	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPACT6	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPACT7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPACT8	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPAUX1-4	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPGT1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPMCT7	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: WAPMCT8	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: It shall be considered a deviation if the opacity is greater than 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. The source must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. Documentation of all observations shall be maintained. If visible emissions are observed, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

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Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
3	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	This boiler is not a hospital/medical/infectious waste incinerator (HMIWI) unit.
3	N/A	30 TAC Chapter 117, Commercial	The boiler is not located at an industrial, commercial, and institutional facility.
3	N/A	40 CFR Part 60, Subpart D	Construction of this boiler was commenced prior to August 17, 1971.
3	N/A	40 CFR Part 60, Subpart Da	Construction of this boiler was commenced prior to September 18, 1978.
3	N/A	40 CFR Part 60, Subpart Db	Construction of boiler was commenced prior to June 19, 1984.
3	N/A	40 CFR Part 60, Subpart Dc	Construction of this boiler was commenced prior to June 9, 1989.
3	N/A	40 CFR Part 63, Subpart DDDDD	The boiler is a natural gas-fired electric utility steam generating unit (EGU) as defined in 40 CFR Part 63, Subpart UUUUU firing at least 85 percent natural gas on an annual heat input basis.
4	N/A	30 TAC Chapter 112, Sulfur Compounds	This boiler does not combust solid or liquid fuel.
4	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	This boiler is not a hospital/medical/infectious waste incinerator (HMIWI) unit.
4	N/A	30 TAC Chapter 117, Commercial	The boiler is not located at an industrial,

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			commercial, and institutional facility.
4	N/A	40 CFR Part 60, Subpart D	Construction of this boiler was commenced prior to August 17, 1971.
4	N/A	40 CFR Part 60, Subpart Da	Construction of this boiler was commenced prior to September 18, 1978.
4	N/A	40 CFR Part 60, Subpart Db	Construction of this boiler was commenced prior to June 19, 1984.
4	N/A	40 CFR Part 60, Subpart Dc	Construction of this boiler was commenced prior to June 9, 1989.
4	N/A	40 CFR Part 63, Subpart DDDDD	The boiler is a natural gas-fired electric utility steam generating unit (EGU) as defined in 40 CFR Part 63, Subpart UUUUU firing at least 85 percent natural gas on an annual heat input basis.
5&6CH2	N/A	40 CFR Part 60, Subpart Y	The unit does not meet the description of an affected facility under NSPS Y.
5&6CH3	N/A	40 CFR Part 60, Subpart Y	The unit does not meet the description of an affected facility under NSPS Y.
5&6CH8	N/A	40 CFR Part 60, Subpart Y	The unit does not meet the description of an affected facility under NSPS Y.
7	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	This boiler is not a hospital/medical/infectious waste incinerator (HMIWI) unit.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
7	N/A	30 TAC Chapter 117, Commercial	The boiler is not located at an industrial, commercial, and institutional facility.
7	N/A	40 CFR Part 60, Subpart Da	Construction of this boiler was commenced prior to September 18, 1978.
7	N/A	40 CFR Part 60, Subpart Db	Construction of this boiler was commenced prior to June 19, 1984.
7	N/A	40 CFR Part 60, Subpart Dc	Construction of this boiler was commenced prior to June 9, 1989.
7	N/A	40 CFR Part 63, Subpart DDDDD	The boiler is an electric utility steam generating unit (EGU) covered by 40 CFR Part 63, Subpart UUUUU.
7&8CH2	N/A	40 CFR Part 60, Subpart Y	The unit does not meet the description of an affected facility under NSPS Y.
8	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	The boiler is not a hospital/medical/infectious waste incinerator (HMIWI) unit.
8	N/A	30 TAC Chapter 117, Commercial	The boiler is not located at an industrial, commercial, and institutional facility.
8	N/A	40 CFR Part 60, Subpart D	Boiler is covered under 40 CFR 60, Subpart Da.
8	N/A	40 CFR Part 60, Subpart Db	Construction of this boiler was commenced prior to June 19, 1984.
8	N/A	40 CFR Part 60, Subpart Dc	Construction of this boiler was

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			commenced prior to June 9, 1989.
8	N/A	40 CFR Part 63, Subpart DDDDD	The boiler is an electric utility steam generating unit (EGU) covered by 40 CFR Part 63, Subpart UUUUU.
A-105	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
AB1	N/A	30 TAC Chapter 112, Sulfur Compounds	This boiler does not combust solid or liquid fuel.
AB1	N/A	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	This boiler is not a hospital/medical/infectious waste incinerator (HMIWI) unit.
AB1	N/A	30 TAC Chapter 117, Commercial	The boiler is not located at an industrial, commercial, and institutional facility.
AB1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than or equal to 250 MMBtu/hr.
AB1	N/A	40 CFR Part 60, Subpart Da	Heat input of fossil fuel is less than or equal to 250 MMBtu/hr.
AB1	N/A	40 CFR Part 60, Subpart Dc	Construction of this boiler was commenced prior to June 9, 1989.
AMMFUG	N/A	40 CFR Part 61, Subpart J	Fugitive piping components do not operate in benzene service as defined in 40 CFR § 61.111.
AMMFUG	N/A	40 CFR Part 61, Subpart V	These sources do not operate in volatile hazardous air pollutant (VHAP) service.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
AMMFUG	N/A	40 CFR Part 63, Subpart H	Fugitive piping components do not operate in organic HAP service 300 hours or more during a calendar year within a source subject to the provisions of a specific subpart in 40 CFR Part 63 that references 40 CFR Part 63, Subpart H.
B-110-1	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
B-110-1	N/A	40 CFR Part 60, Subpart Ka	Tank capacity is less than 40,000 gallons.
B-110-2	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
B-110-2	N/A	40 CFR Part 60, Subpart Ka	Tank capacity is less than 40,000 gallons.
B-111	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
B-111	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
B-116-2	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 25,000 gallons and located at a motor vehicle dispensing facility.
B-116-2	N/A	40 CFR Part 60, Subpart K	Tank capacity is less than 40,000 gallons.
B-117	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
B-117	N/A	40 CFR Part 60, Subpart Ka	Tank capacity is less than 40,000 gallons.
B-158	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.
B-158	N/A	40 CFR Part 60, Subpart K	Tank capacity is less than 40,000 gallons.
B-162	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
B-162	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
ENG-168HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-168HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.
ENG-250HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-250HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.
ENG-435HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-435HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
ENG-44HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-44HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.
ENG-504HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-504HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.
ENG-504HP	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year.
ENG-650HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-650HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.
ENG-650HP	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year.
ENG-765HP	N/A	30 TAC Chapter 117, Subchapter B	30 TAC Chapter 117, Subchapter B, does not apply to electric utility sources that are subject to Subchapter C requirements.
ENG-765HP	N/A	40 CFR Part 60, Subpart IIII	Emergency CI ICE was manufactured prior to 04/01/2006, is not a certified National Fire Protection Association (NFPA) fire pump, and was not modified or reconstructed after 07/11/2005.
ENG-765HP	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year.
GRP-1-4VENTS	1-LOFSV, 1-LOVEV, 1-SOVEV, 2-LOFSV, 2-LOVEV, 2-SOVEV,	30 TAC Chapter 115, Vent Gas Controls	VOC is not emitted from the process vents.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	3-LOFSV, 3-LOVEV, 3-SOVEV, 4-LOFSV, 4-LOVEV, 4-SOVEV		
GRP-5VENTS	5-FPLOV, 5-LOVEV, 5-SOVEV	30 TAC Chapter 115, Vent Gas Controls	VOC is not emitted from the process vents.
GRP-6VENTS	6-FPLOV, 6-LOVEV, 6-SOVEV	30 TAC Chapter 115, Vent Gas Controls	VOC is not emitted from the process vents.
GRP-7VENTS	7A-FPLOV, 7B-FPLOV, 7-LOVEV, 7-SOVEV	30 TAC Chapter 115, Vent Gas Controls	VOC is not emitted from the process vents.
GRP-8VENTS	8A-FPLOV, 8B-FPLOV, 8-LOVEV, 8-SOVEV	30 TAC Chapter 115, Vent Gas Controls	VOC is not emitted from the process vents.
GRP-B1-2	1, 2	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	These boilers are not hospital/medical/infectious waste incinerator (HMIWI) units.
GRP-B1-2	1, 2	40 CFR Part 60, Subpart D	Construction of these boilers was commenced prior to August 17, 1971.
GRP-B1-2	1, 2	40 CFR Part 60, Subpart Da	Construction of these boilers was commenced prior to September 18, 1978.
GRP-B1-2	1, 2	40 CFR Part 60, Subpart Db	Construction of these boilers was commenced prior to June 19, 1984.
GRP-B1-2	1, 2	40 CFR Part 60, Subpart Dc	Construction of these boilers was commenced prior to June 9, 1989.
GRP-B1-2	1, 2	40 CFR Part 63, Subpart DDDDD	The boiler is a natural gas-fired electric utility steam generating unit (EGU) as

Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			defined in 40 CFR Part 63, Subpart UUUUU firing at least 85 percent natural gas on an annual heat input basis.
GRP-B1-2S	WAP1A, WAP1B, WAP2A, WAP2B	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
GRP-B1-2S	WAP1A, WAP1B, WAP2A, WAP2B	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
GRP-B1-2S	WAP1A, WAP1B, WAP2A, WAP2B	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
GRP-B1-2S	WAP1A, WAP1B, WAP2A, WAP2B	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
GRP-B5-6A	5, 6	30 TAC Chapter 113, Hos/Med/Inf Waste Incinerators	These boilers are not hospital/medical/infectious waste incinerator (HMIWI) units.
GRP-B5-6A	5, 6	40 CFR Part 60, Subpart Da	Construction of these boilers was commenced prior to September 18, 1978.
GRP-B5-6A	5, 6	40 CFR Part 60, Subpart Db	Construction of these boilers was commenced prior to June 19, 1984.
GRP-B5-6A	5, 6	40 CFR Part 60, Subpart Dc	Construction of these boilers was commenced prior to June 9, 1989.
GRP-B5-6A	5, 6	40 CFR Part 63, Subpart DDDDD	The boiler is an electric utility steam generating unit (EGU) covered by 40 CFR Part 63, Subpart UUUUU.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-B5-6S	WAP5, WAP6	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combination unit exhaust stream from a unit which is not being used as a control device.
GRP-B5-6S	WAP5, WAP6	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
GRP-B5-6S	WAP5, WAP6	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
GRP-B5-6S	WAP5, WAP6	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
GRP-DEG	DEG-1, DEG-2, DEG-3, DEG-4, DEG-5, DEG-6, DEG-7	30 TAC Chapter 115, Degreasing Processes	The remote reservoir cold solvent cleaner uses a solvent with a TVP less than 0.6 psia at 100 degrees Fahrenheit with a drain area less than 16 in2, and the waste solvent is disposed of in enclosed containers.
GRP-DEG	DEG-1, DEG-2, DEG-3, DEG-4, DEG-5, DEG-6, DEG-7	40 CFR Part 63, Subpart T	The solvent degreasing machine does not use halogenated solvents.
GRP-LMSTN	LH1, LH1A, LH2, LH5, LH6	40 CFR Part 60, Subpart F	Not part of a portland cement manufacturing facility.
GRP-LMSTN	LH1, LH1A, LH2, LH5, LH6	40 CFR Part 60, Subpart HH	Not a lime manufacturing facility.
GRP-LMSTN	LH1, LH1A, LH2, LH5, LH6	40 CFR Part 60, Subpart OOO	The unit does not meet the description of an affected facility under NSPS OOO.
GRP-LMSTN	LH1, LH1A, LH2, LH5, LH6	40 CFR Part 60, Subpart UUU	The facility is not a calciner or dryer at a mineral processing plant.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-LMSTN	LH1, LH1A, LH2, LH5, LH6	40 CFR Part 63, Subpart LLL	Not part of a portland cement manufacturing facility.
GRP-OWSEP	S1, S2, S3	40 CFR Part 60, Subpart QQQ	Not located in a petroleum refinery.
GRP-OWSEP	S1, S2, S3	40 CFR Part 61, Subpart FF	Does not contain or store benzene waste.
GRP-OWSEP	S1, S2, S3	40 CFR Part 61, Subpart L	Not a furnace and foundry coke by-product recovery plant.
GRP-OWSEP	S1, S2, S3	40 CFR Part 63, Subpart CC	Not a petroleum refining process unit.
GRP-OWSEP	S1, S2, S3	40 CFR Part 63, Subpart DD	Not an off-site material process unit.
GRP-OWSEP	S1, S2, S3	40 CFR Part 63, Subpart G	Not part of a chemical manufacturing process unit.
GRP-OWSEP	S1, S2, S3	40 CFR Part 63, Subpart VV	No applicable subparts within 60, 61, or 63 reference this subpart.
GRPTK2	B-104-1, B-104-2, B-105, B-109-1, B-154, B-163	40 CFR Part 60, Subpart K	Tank capacity is less than 40,000 gallons.
GRPTK3	B-103-1, B-103-2, B-103-3, B-103-4, B-159, B-164, B-165, B-166	40 CFR Part 60, Subpart Ka	Tank capacity is less than 40,000 gallons.
GRPTK4	B-107, B-120-1, B-120-2, B-167	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GT1	N/A	30 TAC Chapter 117, Commercial	Is not located at an industrial, commercial, and institutional facility.
GT1	N/A	40 CFR Part 60, Subpart GG	Constructed on or before October 3, 1977.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GT1	N/A	40 CFR Part 63, Subpart YYYY	Turbine constructed before January 14, 2003.
WAP3A	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAP3A	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
WAP3A	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAP3A	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
WAP3B	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAP3B	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process.
WAP3B	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAP3B	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
WAP4	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAP4	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			unit.
WAP4	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAP4	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
WAP7	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAP7	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
WAP7	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAP7	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
WAP8	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAP8	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
WAP8	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAP8	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
WAPAB	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAPAB	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
WAPAB	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAPAB	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
WAPACT5	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.
WAPACT6	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.
WAPACT7	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.
WAPACT8	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.
WAPAUX1-4	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.

Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
WAPGAS	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Unloading operation is a motor vehicle fuel dispensing facility.
WAPGT1	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream is a combustion unit exhaust stream from a unit which is not being used as a control device.
WAPGT1	N/A	40 CFR Part 63, Subpart CC	Not part of a petroleum refining process unit.
WAPGT1	N/A	40 CFR Part 63, Subpart DD	Plant site does not contain off-site materials.
WAPGT1	N/A	40 CFR Part 63, Subpart F	Not part of a chemical manufacturing process unit.
WAPMCT7	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.
WAPMCT8	N/A	40 CFR Part 63, Subpart Q	Cooling Tower does not operate with chromium-based water treatment chemicals.

New Source Review Authorization References

New Source Review Authorization References 203

New Source Review Authorization References by Emission Unit 206

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.: PSDTX234M2	Issuance Date: 12/21/2012
PSD Permit No.: PSDTX33M1	Issuance Date: 06/29/2012
PSD Permit No.: PSDTX901	Issuance Date: 02/08/2016
PSD Permit No.: PSDTX902	Issuance Date: 02/25/2016
Nonattainment (NA) Permits	
NA Permit No.: N033	Issuance Date: 02/08/2016
NA Permit No.: N034	Issuance Date: 02/25/2016
NA Permit No.: N035	Issuance Date: 06/29/2012
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 104887	Issuance Date: 08/08/2012
Authorization No.: 108189	Issuance Date: 03/07/2013
Authorization No.: 18851	Issuance Date: 02/26/2014
Authorization No.: 2348A	Issuance Date: 02/08/2016
Authorization No.: 2349A	Issuance Date: 02/25/2016
Authorization No.: 39571	Issuance Date: 03/05/2009
Authorization No.: 39729	Issuance Date: 10/17/2008
Authorization No.: 40542	Issuance Date: 10/23/2008
Authorization No.: 4130A	Issuance Date: 08/21/2007
Authorization No.: 43191	Issuance Date: 09/09/2009
Authorization No.: 45326	Issuance Date: 10/28/2010
Authorization No.: 45575	Issuance Date: 08/02/2012
Authorization No.: 45779	Issuance Date: 10/29/2010
Authorization No.: 46599	Issuance Date: 10/13/2010
Authorization No.: 5126	Issuance Date: 02/04/2016
Authorization No.: 5530	Issuance Date: 06/29/2012
Authorization No.: 5794	Issuance Date: 06/27/2011
Authorization No.: 72347	Issuance Date: 01/15/2014
Authorization No.: 7704	Issuance Date: 12/21/2012

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.

Authorization No.: 7706A	Issuance Date: 02/16/2006
Authorization No.: 97958	Issuance Date: 09/14/2011
Authorization No.: X-15527	Issuance Date: 07/30/1984
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.473	Version No./Date: 09/04/2000
Number: 5	Version No./Date: 06/07/1996
Number: 8	Version No./Date: 06/07/1996
Number: 14	Version No./Date: 11/05/1986
Number: 14	Version No./Date: 08/30/1988
Number: 14	Version No./Date: 09/12/1989
Number: 14	Version No./Date: 06/07/1996
Number: 34	Version No./Date: 06/07/1996
Number: 39	Version No./Date: 06/07/1996
Number: 40	Version No./Date: 06/07/1996
Number: 51	Version No./Date: 08/30/1988
Number: 51	Version No./Date: 06/07/1996
Number: 53	Version No./Date: 06/07/1996
Number: 61	Version No./Date: 11/05/1986
Number: 61	Version No./Date: 06/07/1996
Number: 70	Version No./Date: 06/07/1996
Number: 75	Version No./Date: 06/07/1996
Number: 83	Version No./Date: 06/07/1996
Number: 84	Version No./Date: 11/25/1985
Number: 102	Version No./Date: 06/07/1996
Number: 103	Version No./Date: 06/07/1996

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.

Number: 107	Version No./Date: 08/30/1988
Number: 107	Version No./Date: 09/12/1989

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1-LOFSV	UNIT 1 LUBE OIL FILTER SYSTEM VENT	45575
1-LOVEV	UNIT 1 LUBE OIL VAPOR EXTRACTOR VENT	45575
1-SOVEV	UNIT 1 SEAL OIL VAPOR EXTRACTOR VENT	45575
1	UNIT 1 BOILER	45575, X-15527
2-LOFSV	UNIT 2 LUBE OIL FILTER SYSTEM VENT	45575
2-LOVEV	UNIT 2 LUBE OIL VAPOR EXTRACTOR VENT	45575
2-SOVEV	UNIT 2 SEAL OIL VAPOR EXTRACTOR VENT	45575
2	UNIT 2 BOILER	45575, 46599, X-15527
3-LOFSV	UNIT 3 LUBE OIL FILTER SYSTEM VENT	45575
3-LOVEV	UNIT 3 LUBE OIL VAPOR EXTRACTOR VENT	45575
3-SOVEV	UNIT 3 SEAL OIL VAPOR EXTRACTOR VENT	45575
3	UNIT 3 BOILER	39571, 45575, X-15527
4-LOFSV	UNIT 4 LUBE OIL FILTER SYSTEM VENT	45575
4-LOVEV	UNIT 4 LUBE OIL VAPOR EXTRACTOR VENT	45575
4-SOVEV	UNIT 4 SEAL OIL VAPOR EXTRACTOR VENT	45575
4	UNIT 4 BOILER	40542, 45575
5&6CH10	TRANSFER TOWER 4	4130A
5&6CH1A	COAL CAR UNLOADING	4130A
5&6CH1B	EXHAUST FAN #1	4130A

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
5&6CH1C	EXHAUST FAN #2	4130A
5&6CH2	COAL PILE	4130A
5&6CH3	COAL PILE	4130A
5&6CH4	CRUSHER BUILDING	4130A
5&6CH6	TRANSFER TOWER 1	4130A
5&6CH7A	DUST COLLECTOR 1	4130A
5&6CH7B	DUST COLLECTOR 2	4130A
5&6CH8	COAL PILE	4130A
5&6CH9A	EXHAUST FAN #3	4130A
5&6CH9B	EXHAUST FAN #4	4130A
5-FPLOV	UNIT 5 BOILER FEEDWATER PUMP LO VENT	2348A, N033, PSDTX901
5-LOVEV	UNIT 5 LUBE OIL VAPOR EXTRACTOR/FILTER VENT	2348A, N033, PSDTX901
5-SOVEV	UNIT 5 SEAL OIL VAPOR EXTRACTOR VENT	2348A, N033, PSDTX901
5	UNIT 5 BOILER	108189, 2348A, 45326, 5794, 97958, N033, PSDTX901
6-FPLOV	UNIT 6 BOILER FEEDWATER PUMP LO VENT	2349A, N034, PSDTX902
6-LOVEV	UNIT 6 LUBE OIL VAPOR EXTRACTOR/FILTER VENT	2349A, N034, PSDTX902
6-SOVEV	UNIT 6 SEAL OIL VAPOR EXTRACTOR VENT	2349A, N034, PSDTX902
6	UNIT 6 BOILER	108189, 2349A, 43191, 5794, 97958, N034,

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
		PSDTX902
7&8CH1A	ROTARY CAR DUMPER	7706A
7&8CH1B	DUMPER STRUCTURE VENT FAN	7706A
7&8CH2	COAL PILE	7706A
7&8CH3	TRANSFER TOWER 1	7706A
7&8CH4	TRANSFER TOWER 2	7706A
7&8CH5	CRUSHER BUILDING	7706A
7&8CH6	DUST COLLECTOR 2 VENT	7706A
7&8CH7A	PLANT SILO DUST COLLECTOR	7706A
7&8CH7B	PLANT SILO DUST COLLECTOR	7706A
7&8CH7C	PLANT SILO DUST COLLECTOR	7706A
7&8CH7D	PLANT SILO DUST COLLECTOR	7706A
7&8CH7E	PLANT SILO DUST COLLECTOR	7706A
7&8CH7F	PLANT SILO DUST COLLECTOR	7706A
7A-FPLOV	UNIT 7A BOILER FEEDWATER PUMP LO VENT	5530, N035, PSDTX33M1
7B-FPLOV	UNIT 7B BOILER FEEDWATER PUMP LO VENT	5530, N035, PSDTX33M1
7-LOVEV	UNIT 7 LUBE OIL VAPOR EXTRACTOR/FILTER VENT	5530, N035, PSDTX33M1
7-SOVEV	UNIT 7 SEAL OIL VAPOR EXTRACTOR VENT	5530, N035, PSDTX33M1
7	UNIT 7 BOILER	108189, 39729, 5530, 97958, N035,

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
		PSDTX33M1
8A-FPLOV	UNIT 8A BOILER FEEDWATER PUMP LO VENT	7704, PSDTX234M2
8B-FPLOV	UNIT 8B BOILER FEEDWATER PUMP LO VENT	7704, PSDTX234M2
8-LOVEV	UNIT 8 LUBE OIL VAPOR EXTRACTOR/FILTER VENT	7704, PSDTX234M2
8-SOVEV	UNIT 8 SEAL OIL VAPOR EXTRACTOR VENT	7704, PSDTX234M2
8	UNIT 8 BOILER	108189, 45779, 7704, 97958, PSDTX234M2
A-102-1	UNIT 1 & 2 CLEAN LUBE OIL STORAGE TANK	51/06/07/1996
A-102-2	UNIT 1 & 2 DIRTY LUBE OIL STORAGE TANK	51/06/07/1996
A-103-1	UNIT 3 & 4 CLEAN LUBE OIL BATCH TANK	51/06/07/1996
A-103-2	UNIT 3 & 4 DIRTY LUBE OIL BATCH TANK	51/06/07/1996
A-103-3	UNIT 3 & 4 DIRTY LUBE OIL BATCH TANK	51/06/07/1996
A-105	GAS TURBINE DIESEL TANK	51/06/07/1996
A-117	UNIT 1 LUBE OIL RESERVOIR	51/06/07/1996
A-118	UNIT 2 LUBE OIL RESERVOIR	51/06/07/1996
A-119	UNIT 3 LUBE OIL RESERVOIR	51/06/07/1996
A-120	UNIT 4 LUBE OIL RESERVOIR	51/06/07/1996
A-121	UNIT 4A BFP TURBINE OIL RESERVOIR	51/06/07/1996
A-122	UNIT 4B BFP TURBINE OIL RESERVOIR	51/06/07/1996
A-123	GAS TURBINE LUBE OIL RESERVOIR	51/06/07/1996

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
A-204	TRICELLERATOR	51/06/07/1996
AB1	AUXILIARY BOILER 1	18851
AMMFUG	AMMONIA FUGITIVES	2349A, N034, PSDTX902
B-103-1	UNIT 7 CLEAN LUBE OIL BATCH TANK	51/06/07/1996
B-103-2	UNIT 7 DIRTY LUBE OIL BATCH TANK	51/06/07/1996
B-103-3	UNIT 8 CLEAN LUBE OIL BATCH TANK	51/06/07/1996
B-103-4	UNIT 8 DIRTY LUBE OIL BATCH TANK	51/06/07/1996
B-104-1	UNIT 5 DIRTY LUBE OIL TANK	51/06/07/1996
B-104-2	UNIT 6 DIRTY LUBE OIL TANK	51/06/07/1996
B-105	UNIT 5 & 6 CLEAN LUBE OIL TANK	51/06/07/1996
B-107	UNIT 5 & 6 USED OIL TANK	51/06/07/1996
B-109-1	USED OIL TANK (COAL PILE AREA)	51/06/07/1996
B-110-1	UNIT 7 EMERGENCY DIESEL TANK	51/06/07/1996
B-110-2	UNIT 8 EMERGENCY DIESEL TANK	51/06/07/1996
B-111	DIESEL TANK AT 5 & 6 OILY WATER	51/06/07/1996
B-116-2	GASOLINE TANK AT HEAVY EQUIPMENT SHOP	14/08/30/1988
B-117	FIRE WATER SYSTEM DIESEL TANK	51/06/07/1996
B-120-1	COAL HANDLING PRODUCT OIL TANK	51/06/07/1996
B-120-2	COAL HANDLING PRODUCT OIL TANK	51/06/07/1996

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
B-154	DIESEL TANK (COAL PILE AREA)	51/06/07/1996
B-158	UNIT 5 & 6 EMERGENCY GEN. DIESEL TANK	51/06/07/1996
B-159	UNIT 7 & 8 TRICELLERATOR USED OIL TANK	51/06/07/1996
B-162	EMERGENCY DIESEL TANK FOR TELEPHONE	51/06/07/1996
B-163	UNIT 5 LUBE OIL RESERVOIR	51/06/07/1996
B-164	UNIT 6 LUBE OIL RESERVOIR	51/06/07/1996
B-165	UNIT 7 LUBE OIL RESERVOIR	51/06/07/1996
B-166	UNIT 8 LUBE OIL RESERVOIR	51/06/07/1996
B-167	UNIT 7/8 API SEPARATOR USED OIL TANK	51/06/07/1996
DEG-1	DEGREASER IN UNIT 5&6 BOTTOM ASH CREW AREA	107/08/30/1988
DEG-2	SOLVENT DEGREASING MACHINES	107/08/30/1988
DEG-3	DEGREASER IN ABSORBER TOWER AREA	107/08/30/1988
DEG-4	DEGREASER AT UNIT 7&8 SHOP	107/08/30/1988
DEG-5	DEGREASER 5	107/08/30/1988
DEG-6	DEGREASER 6	107/08/30/1988
DEG-7	DEGREASER 7	107/08/30/1988
ENG-168HP	DIESEL COLD-STARTUP ENGINE	5/06/07/1996
ENG-250HP	DIESEL FIRE PUMP	5/06/07/1996
ENG-435HP	DIESEL STARTUP ENGINE FOR TURBINE	5/06/07/1996

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ENG-44HP	EMERGENCY DIESEL GENERATOR	5/06/07/1996
ENG-504HP	EMERGENCY DIESEL GENERATOR	5/06/07/1996
ENG-650HP	EMERGENCY DIESEL GENERATOR	5/06/07/1996
ENG-765HP	EMERGENCY DIESEL GENERATOR	5/06/07/1996
GT1	GAS TURBINE	45575
LH1A	TRANSFER FROM TRACK HOPPERS TO CONVEYOR #1	7704
LH1	RAILCAR LOADING	7704
LH2	ACTIVE STORAGE FILE	7704
LH5	PILE RECLAIM & CRUSHER DC	7704
LH6	STORAGE SILO LOADING DC	7704
S1	GAS PLANT OILY WASTE TREATMENT SYSTEM SEPARATOR	61/11/05/1986
S2	UNITS 5&6 OILY WASTE TREATMENT SYSTEM SEPARATOR	61/11/05/1986
S3	UNITS 7&8 OILY WASTE TREATMENT SYSTEM SEPARATOR	61/11/05/1986
SCRUB	CO2 SCRUBBER	108189, 45779, 7704, 97958, PSDTX234M2
WAP1A	UNIT 1 BOILER A STACK	45575, X-15527
WAP1B	UNIT 1 BOILER B STACK	45575, X-15527
WAP2A	UNIT 2 BOILER A STACK	45575, X-15527
WAP2B	UNIT 2 BOILER B STACK	45575, X-15527
WAP3A	UNIT 3 BOILER A STACK	45575, X-15527

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
WAP3B	UNIT 3 BOILER B STACK	45575, X-15527
WAP4	UNIT 4 BOILER STACK	40542, 45575
WAP5	UNIT 5 BOILER STACK	2348A, 45326, 5794, 97958, N033, PSDTX901
WAP6	UNIT 6 BOILER STACK	2349A, 43191, 5794, 97958, N034, PSDTX902
WAP7	UNIT 7 BOILER STACK	39729, 5530, 97958, N035, PSDTX33M1
WAP8	UNIT 8 BOILER STACK	45779, 7704, 97958, PSDTX234M2
WAPAB	AUXILIARY BOILER 1 STACK	18851
WAPACT5	AUXILIARY COOLING TOWER 5	8/06/07/1996
WAPACT6	AUXILIARY COOLING TOWER 6	8/06/07/1996
WAPACT7	AUXILIARY COOLING TOWER 7	8/06/07/1996
WAPACT8	AUXILIARY COOLING TOWER 8	8/06/07/1996
WAPAUX1-4	AUXILIARY COOLING TOWER 1-4	8/06/07/1996
WAPGAS	GASOLINE UNLOADING	53/06/07/1996
WAPGT1	GAS TURBINE STACK	45575
WAPMCT7	MAIN COOLING TOWER 7	8/06/07/1996
WAPMCT8	MAIN COOLING TOWER 8	7704, PSDTX234M2
WAPUNLOAD	WAP UNLOADING	51/06/07/1996

Alternative Requirement

Alternative Requirement 215

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 24, 2014

MR CRAIG ECKBERG
SENIOR MANAGER
NRG TEXAS POWER LLC
1201 FANNIN
HOUSTON TX 77002

Re: Re: Title 40 Code of Federal Regulations Part 63, Subpart UUUUU Compliance Extension
Title V Operating Permit Number: 074
New Source Review Permit Number: 7704
W.A. Parish Electric Generating Station Units 5, 6, 7, and 8
Thompsons, Fort Bend County
Regulated Entity Number: RN100888312
Customer Reference Number: CN603207218
Account Number: FG-0020-V

Dear Mr. Eckberg:

This is in response to your letter dated October 22, 2014, requesting an extension of one year to comply with the requirements in Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart UUUUU (National Emission Standards for Hazardous Air Pollutants from Coal- and Oil-Fired Electric Steam Generating Units). Based on the information in your letter dated October 22, 2014, the four coal-fired electric generating units at the W.A. Parish Electric Generating Station are hereby granted a one year extension from April 16, 2015 to April 16, 2016 to comply with the requirements in 40 CFR Part 63, Subpart A and UUUUU.

Item numbers 1 through 4 below are conditions of the compliance extension approval.

Emission Control Installations and Compliance Schedule

1. The following compliance schedule shall be met, as represented in your request for compliance extension to satisfy the requirements of 40 CFR § 63.6(i)(6)(i):

   (a) During the 2014 through 2015 time period, NRG Texas Power LLC (NRG) will complete construction of the activated carbon injection system on all four units. NRG will conduct additional feasibility studies to determine the appropriate control measures to comply with the MATS emission standards, including the startup and shutdown work practices. Additionally, NRG will evaluate the feasibility of an alternate fuel and the effects of this fuel on MATS compliance plan.
   (b) During the 2015 through 2016 time period, NRG will startup and test control options and optimization for MATS compliance.
   (c) Final compliance with the Subpart UUUUU standards for W.A. Parish Units 5, 6, 7, and 8 shall be achieved by April 16, 2016.

Re: Title V Operating Permit Number: 074

(d) Initial compliance testing for W.A. Parish Units 5, 6, 7, and 8 required by 40 CFR § 63.10005 shall be conducted no later than 180 days following the one year extension date of April 16, 2016.

Support for Compliance Schedule

2. NRG proposes an alternate compliance schedule based upon receiving a one year extension. The compliance schedule takes into consideration the engineering studies, operational testing, construction schedule to install additional pollution controls, and optimization of controls for W.A. Parish Units 5, 6, 7, and 8.

Notification and Other Requirements

3. Once compliance with the standards is achieved for W.A. Parish Units 5, 6, 7, and 8, which shall be no later than April 16, 2016, NRG shall submit a notification to the TCEQ and the U.S. Environmental Protection Agency (EPA) Region 6, postmarked within 30 days of the date compliance was achieved, specifying the new compliance date and detailing the affected site and equipment. All monitoring, performance testing, recordkeeping, and reporting required by the applicable standards in Subpart A and UUUUU must begin on the new compliance date, or where time frames in the standards are established from the compliance date, must be based on the new compliance date.

   The notification required in this condition should be directed to:

   Air Section Manager
   TCEQ Region 12
   5425 Polk Street, Suite H
   Houston, Texas 77023 - 1452

   With Copies To:

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

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

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

Re: Title V Operating Permit Number: 074

Pursuant to 40 CFR § 63.6(i)(4)(i)(A), NRG is required to apply for a revision of the affected source's Title V permit (Permit Number 074) to incorporate the conditions of this compliance extension.

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

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

Sincerely,

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

MPW/EH/eh

Enclosure

cc: Air Section Manager, Region 12 – Houston
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 219866

Appendix A

Acronym List 219

Acronym List

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

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
GF ..... grandfathered
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table 221

Major NSR Summary Table

Permit Number: 2348A, PSDTX901, N033						Issuance Date: 02/08/2016	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
WAP5	WA Parish Unit No. 5 Stack While Coal-Fired (9)	NO_x (7) (11)	2,000.0	6,570.0	3, 5, 8**, 10, 22	3, 5, 8**, 10, 12, 17, 22	3, 5, 8**, 10
		SO_2 (8)	7,884.0	34,530.0	3, 8**, 10, 22	3, 8**, 10, 12, 22	3, 8**, 10
		CO (7)	2,168.0	9,496.0	8**, 10, 22	8**, 10, 12, 17, 22	8**, 10
		VOC	23.3	102.0	8**, 9	8**, 9, 12	8**, 9
		PM/PM_{10}	657.0	2,878.0	3, 6***, 8**, 9, 11***, 22	3, 8**, 9, 11***, 12, 17***, 22	8**, 9
		H_2SO_4	33.0	145.0	9	9, 12	9
		NH_3 (11)	42.0	184.0	9	9, 12, 17	9
		Pb	0.43	0.17	9	9, 12	9
		HF	128.0	104.0	9	9, 12	9
		As	0.13	0.07	9	9, 12	9
		Be	0.24	0.03	9	9, 12	9
		Cd	0.04	0.05	9	9, 12	9
		HCl	33.85	77.8	9	9, 12	9
		Cr	0.14	0.2	9	9, 12	9
		Hg	2.13	0.3	9	9, 12	9
		Mn	0.33	0.4	9	9, 12	9
		Ni	0.33	0.3	9	9, 12	9
		Se	0.50	0.1	9	9, 12	9
WAP5	WA Parish Unit No. 5 Stack While Coal and Gas-Fired (10)	NO_x (7) (11)	2,000.0	6,570.0	3, 5, 8**, 10, 22	3, 5, 8**, 10, 12, 17, 22	3, 5, 8**, 10
		SO_2 (8)	7,884.0	34,530.0	3, 8**, 10, 22	3, 8**, 10, 12, 22	3, 8**, 10
		CO (7)	2,238.0	9,583.0	8**, 10, 22	8**, 10, 12, 17, 22	8**, 10
		VOC	26.0	105.0	8**, 9	8**, 9, 12	8**, 9
		PM/PM_{10}	663.0	2,885.0	3, 6***, 8**, 9, 11***, 22	3, 8**, 9, 11***, 12, 17***, 22	8**, 9
		H_2SO_4	33.0	145.0	9	9, 12	9
		NH_3 (11)	42.0	184.0	9	9, 12, 17	9
		Pb	0.43	0.17	9	9, 12	9
		HF	128.0	104.0	9	9, 12	9
		As	0.13	0.07	9	9, 12	9

Major NSR Summary Table

Permit Number: 2348A, PSDTX901, N033						Issuance Date: 02/08/2016	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		Be	0.24	0.03	9	9, 12	9
		Cd	0.04	0.05	9	9, 12	9
		HCl	33.85	77.8	9	9, 12	9
		Cr	0.14	0.2	9	9, 12	9
		Hg	2.13	0.3	9	9, 12	9
		Mn	0.33	0.4	9	9, 12	9
		Ni	0.33	0.3	9	9, 12	9
		Se	0.50	0.1	9	9, 12	9

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code 101.1
PM - particulate matter suspended in the atmosphere, including PM10.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
H_2SO_4 - sulfuric acid
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
HCl - hydrogen chloride
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium

(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 24-hour average.
(8) The hourly emission rate is based on a 3-hour average.
(9) The coal fired emission rates are based on the maximum heat input allowed with coal as the only fuel.
(10) The coal and gas fired emission rates are based on the maximum heat input allowed with coal as the only fuel plus additional heat input from natural gas.
(11) Emission rates of NO_x and NH_3 are authorized by Standard Permit No. 45326, issued March 29, 2001, with changes to permit representations dated December 22, 2006.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** Performance test performed and reported at time of permit initial issuance.

*** Opacity is used as an indicator of PM emissions, but the opacity limits in the permit are not directly correlated to the PM limit in the MAERT; therefore, non-compliance with the opacity limit does not constitute non-compliance with the PM limit.

Major NSR Summary Table

Permit Number: 2349A, PSDTX902, N034						Issuance Date: 02/25/2016	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
WAP6	WA Parish Unit No. 6 Stack While Coal-Fired (9)	NO_x (7)(11)	2,000.0	6,570.0	3, 5, 8**, 10, 22	3, 5, 8**, 10, 12, 17, 22	3, 5, 8**, 10
		SO_2 (8)	7,884.0	34,530.0	3, 8**, 10, 22	3, 8**, 10, 12, 22	3, 8**, 10
		CO (7)	2,168.0	9,496.0	8**, 10, 22	8**, 10, 12, 17, 22	8**, 10
		VOC	23.3	102.0	8**, 9	8**, 9, 12	8**, 9
		PM/PM_{10}	657.0	2,878.0	3, 6***, 8**, 9, 11***	3, 8**, 9, 11***, 12, 17***	8**, 9
		H_2SO_4	33.0	145.0	9	9, 12	9
		NH_3 (11)	83.0	363.0	9	9, 12, 17	9
		Pb	0.43	0.17	9	9, 12	9
		HF	128.0	104.0	9	9, 12	9
		As	0.13	0.07	9	9, 12	9
		Be	0.24	0.03	9	9, 12	9
		Cd	0.04	0.05	9	9, 12	9
		HCl	33.85	77.8	9	9, 12	9
		Cr	0.14	0.2	9	9, 12	9
		Hg	2.13	0.3	9	9, 12	9
		Mn	0.33	0.4	9	9, 12	9
		Ni	0.33	0.3	9	9, 12	9
		Se	0.50	0.1	9	9, 12	9
WAP6	WA Parish Unit No. 6 Stack While Coal and Gas-Fired (10)	NO_x (7)(11)	2,000.0	6,570.0	3, 5, 8**, 10, 22	3, 5, 8**, 10, 12, 17, 22	3, 5, 8**, 10
		SO_2 (8)	7,884.0	34,530.0	3, 8**, 10, 22	3, 8**, 10, 12, 22	3, 8**, 10
		CO (7)	2,238.0	9,583.0	8**, 10, 22	8**, 10, 12, 17, 22	8**, 10
		VOC	26.0	105.0	8**, 9	8**, 9, 12	8**, 9
		PM/PM_{10}	663.0	2,885.0	3, 6***, 8**, 9, 11***	3, 8**, 9, 11***, 12, 17***	8**, 9
		H_2SO_4	33.0	145.0	9	9, 12	9
		NH_3 (11)	83.0	363.0	9	9, 12, 17	9
		Pb	0.43	0.17	9	9, 12	9
		HF	128.0	104.0	9	9, 12	9
		As	0.13	0.07	9	9, 12	9

Major NSR Summary Table

Permit Number: 2349A, PSDTX902, N034						Issuance Date: 02/25/2016	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		Be	0.24	0.03	9	9, 12	9
		Cd	0.04	0.05	9	9, 12	9
		HCl	33.85	77.8	9	9, 12	9
		Cr	0.14	0.2	9	9, 12	9
		Hg	2.13	0.3	9	9, 12	9
		Mn	0.33	0.4	9	9, 12	9
		Ni	0.33	0.3	9	9, 12	9
		Se	0.50	0.1	9	9, 12	9
AMMFUG	Ammonia Fugitives (12)	NH_3	1.17	5.15	--	--	--

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code 101.1
PM - particulate matter suspended in the atmosphere, including PM10.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
H_2SO_4 - sulfuric acid
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
HCl - hydrogen chloride
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium

(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 24-hour average.
(8) The hourly emission rate is based on a 3-hour average.
(9) The coal fired emission rates are based on the maximum heat input allowed with coal as the only fuel.
(10) The coal and gas fired emission rates are based on the maximum heat input allowed with coal as the only fuel plus additional heat input from natural gas.
(11) Emission rates of NO_x and NH_3 are authorized by Standard Permit No. 43191, issued February 24, 2000, with changes to permit representations dated December 22, 2006.
(12) Facility-wide ammonia piping fugitives are authorized by Standard Permit No. 43191.
(13) The hourly emission rate is based on a 30-day rolling average.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** Performance test performed and reported at time of permit initial issuance.

*** Opacity is used as an indicator of PM emissions, but the opacity limits in the permit are not directly correlated to the PM limit in the MAERT; therefore, non-compliance with the opacity limit does not constitute non-compliance with the PM limit.

Major NSR Summary Table

Permit Number: 5530, PSDTX33M1, N035						Issuance Date: 6/29/2012	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
WAP7	WA Parish Unit 7 Pulverized Coal-Fired Boiler Emission Limits Based on Firing Coal Only (9)	NO_X (7)(11)	2,000	6,570	4, 6, 12**, 14, 26	4, 6, 12**, 14, 16, 21, 26	4, 6, 12**, 14
		SO_2 (8)	6,875	30,112	4, 12**, 14, 26	4, 12**, 14, 16, 26	4, 12**, 14
		CO (7)	1,891	8,281	12**, 14, 26	12**, 14, 16, 21, 26	12**, 14
		VOC	20.3	89	12**, 13	12**, 13, 16	12**, 13
		PM/PM_{10}	573	2,509	4, 7***, 12**, 13, 15***	4, 12**, 13, 15***, 16, 21***	12**, 13
		H_2SO_4	29	127	13	13, 16	13
		NH_3 (11)	41.5	170	13	13, 16, 21	13
		Pb	0.37	0.15	13	13, 16	13
		HF	111	91	13	13, 16	13
		As	0.11	0.06	13	13, 16	13
		Be	0.21	0.03	13	13, 16	13
		Cd	0.03	0.04	13	13, 16	13
		HCl	29.5	67.8	13	13, 16	13
		Cr	0.12	0.2	13	13, 16	13
		Hg	1.86	0.3	13	13, 16	13
		Mn	0.28	0.4	13	13, 16	13
		Ni	0.29	0.3	13	13, 16	13
		Se	0.44	0.1	13	13, 16	13
WAP7	WA Parish Unit 7 Pulverized Coal-Fired Boiler Emission Limits Based on Firing Coal and Supplementing with Natural Gas (10)	NO_X (7)(11)	2,000	6,570	4, 6, 12**, 14, 26	4, 6, 12**, 14, 16, 21, 26	4, 6, 12**, 14
		SO_2 (8)	6,875	30,112	4, 12**, 14, 26	4, 12**, 14, 16, 26	4, 12**, 14
		CO (7)	1,973	8,383	12**, 14, 26	12**, 14, 16, 21, 26	12**, 14
		VOC	24	93	12**, 13	12**, 13, 16	12**, 13
		PM/PM_{10}	580	2,519	4, 7***, 12**, 13, 15***	4, 12**, 13, 15***, 16, 21***	12**, 13
		H_2SO_4	29	127	13	13, 16	13
		NH_3 (11)	41.5	170	13	13, 16, 21	13
		Pb	0.37	0.15	13	13, 16	13
		HF	111	91	13	13, 16	13
		As	0.11	0.06	13	13, 16	13
		Be	0.21	0.03	13	13, 16	13

Major NSR Summary Table

Permit Number: 5530, PSDTX33M1, N035						Issuance Date: 6/29/2012	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		Cd	0.03	0.04	13	13, 16	13
		HCl	29.5	67.8	13	13, 16	13
		Cr	0.12	0.2	13	13, 16	13
		Hg	1.86	0.3	13	13, 16	13
		Mn	0.28	0.4	13	13, 16	13
		Ni	0.29	0.3	13	13, 16	13
		Se	0.44	0.1	13	13, 16	13
7&8FAH	Units 7 and 8 Fly Ash Silos Truck Loading Fugitive Emissions (12)	PM	1.04	0.73	10***, 11, 26	9, 16, 26	--
		PM_{10}	0.29	0.20	10***, 11, 26	9, 16, 26	--
		$PM_{2.5}$	0.05	0.03	10***, 11, 26	9, 16, 26	--
7EAH	Economizer Ash Truck Loading Fugitive Emissions (12)	PM	1.96	0.28	10***, 11, 26	9, 16, 26	--
		PM_{10}	0.54	0.08	10***, 11, 26	9, 16, 26	--
		$PM_{2.5}$	0.09	0.01	10***, 11, 26	9, 16, 26	--

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code 101.1
PM - particulate matter suspended in the atmosphere, including PM_{10}.and $PM_{2.5}$.
PM_{10} - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
H_2SO_4 - sulfuric acid
NH_3 - ammonia
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
HCl - hydrogen chloride
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium
(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 24-hour average.
(8) The hourly emission rate is based on a 3-hour average.
(9) The coal fired emission rates are based on the maximum 5,730 MMBtu/hr heat input allowed with coal as the only fuel.
(10) The coal and gas fired emission rates are based on the maximum 6,700 MMBtu/hr heat input allowed with coal plus additional heat input from natural gas.
(11) Emission rates of NO_x and NH_3 are authorized by Standard Permit No. 39729, issued March 24, 1999, with changes to permit representations dated December 22, 2006.
(12) Fugitive emission rates are an estimate and are enforceable through compliance with the applicable special conditions and permit application representations.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** Performance test performed and reported at time of permit initial issuance.

*** Opacity is used as an indicator of PM emissions, but the opacity limits in the permit are not directly correlated to the PM limit in the MAERT; therefore, non-compliance with the opacity limit does not constitute non-compliance with the PM limit.

Major NSR Summary Table

Permit Number: 7704, PSDTX234M2					Issuance Date: 12/21/2012		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
WAP8	WA Parish Unit No. 8 Pulverized Coal Boiler Stack (6,700 MMBtu/hr)	NO_X (7)(8)	2,000	7,008	1, 4, , 15*, 16, 29	1, 4, 15*, 16, 19, 24, 29	1, 4, 15*, 16
		SO_2 (9)	2,063	4,081	1, 15*, 16, 29	1, 15*, 16, 19, 29	1, 15*, 16
		CO (8)	2,010	4,402	15*, 16, 29	15*, 16, 19, 24	15*, 16
		VOC	20.1	53	3**, 15*	3, 15*	3**, 15*
		PM/PM_{10}	172	639	1, 3**, 6***, 15*	1, 3, 15*, 24***	3**, 15*
		H_2SO_4	10.1	40	3**	3	3**
		NH_3 (8)	44.3	194	3**	3, 24	3**
		Pb	0.33	0.13	3**	3	3**
		HF	34	29.3	3**	3	3**
		As	0.12	0.05	3**	3	3**
		Be	0.025	0.02	3**	3	3**
		Cd	0.04	0.04	3**	3	3**
		Cl	5.06	20	3**	3	3**
		Cr	0.13	0.17	3**	3	3**
		Hg	0.30	0.24	3**	3	3**
		Mn	0.11	0.44	3**	3	3**
		Ni	0.32	0.25	3**	3	3**
		Se	0.51	0.11	3**	3	3**
WAP8 and SCRUB (20)	WA Parish Unit No. 8 Pulverized Coal Boiler Stack and Rerouted Exhaust Vent Stream Stack	SO_2 (9)	1,370	4,081 (14)	1, 16, 29	1, 16, 19	1, 16
		SO_2 (9)	1,370	3,981 (15)	1, 16, 29	1, 16, 19	1, 16
		SO_2 (9)	1,370	3,881 (16)	1, 16, 29	1, 16, 19	1, 16
		SO_2 (9)	1,370	3,781 (17)	1, 16, 29	1, 16, 19	1, 16
		SO_2 (9)	1,370	3,681 (18)	1, 16, 29	1, 16, 19	1, 16
		NO_X	1,260	6,307 (19)	1, 4, 16, 29	1, 4, 16, 19, 24	1, 4, 16
MCT8	Cooling Tower (10)	PM/PM_{10}	0.95	4.1	--	--	--
LH1	Railcar Unloading to Track Hopper Limestone	PM	30	1.6	11***, 18***	9, 18***, 19	--
		PM_{10}	15	0.8	11***, 18***	9, 18***, 19	--

Major NSR Summary Table

Permit Number: 7704, PSDTX234M2					Issuance Date: 12/21/2012		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Fugitives (11)						
LH1A	Track Hopper Feed to Conveyor #1 Limestone Fugitives (11)	PM	0.54	0.05	11***, 18***	9, 18***, 19	--
		PM_{10}	0.26	0.02	11***, 18***	9, 18***, 19	--
LH2	Limestone Stockpile (11)	PM	0.0030	0.13	11***, 18***	9, 18***, 19	--
		PM_{10}	0.0015	0.06	11***, 18***	9, 18***, 19	--
LH5	Limestone Stockpile Reclaim, Conveyor #2, and Crusher Baghouse	PM_{10}	2.1	1.1	10***, 11***, 12***, 17***, 18***	9, 17***, 18***, 19	--
LH6	Limestone Storage Silo Baghouse	PM_{10}	0.39	0.20	11***, 12***, 17***, 18***	9, 17***, 18***, 19	--
WH1	Pug Mill Scrubber Stack (Wet Venturi Dust Collector) (12)	PM/PM_{10}	1.7	1.4	14***, 17***	17***, 19	--
WH2	Fly Ash Feed Tank Baghouse – Stack (12)	PM/PM_{10}	0.43	0.25	17***	17***, 19	--
WH3	Radial Conveyor / Stackout of Scrubber Sludge/Fly Ash Blend (11)(12)	PM	0.03	0.02	18***	18***, 19	--
		PM10	0.014	0.01	18***	18***, 19	--
WH4	Stabilized Sludge Storage Pile (11)(12)	PM	0.20	0.87	18***	18***, 19	--
		PM10	0.10	0.41	18***	18***, 19	--
8EA	Economizer Ash Truck Loading (12)(13)	PM	0.62	0.03	18***	18***, 19	--
MSSFUG	Miscellaneous Site-Wide Maintenance Activities	SO_2	0.02	0.01	28, 29	28, 29	--
		NH_3	7.67	1.08	28, 29	28, 29	--
		CO	0.12	0.05	28, 29	28, 29	--
		NO_x	0.32	0.16	28, 29	28, 29	--
		VOC	75.97	4.74	28, 29	28, 29	--
		PM	14.80	4.97	28, 29	28, 29	--
		PM_{10}	3.55	2.47	28, 29	28, 29	--

Major NSR Summary Table

Permit Number: 7704, PSDTX234M2					Issuance Date: 12/21/2012		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr (4)(5)	TPY (4)(6)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		$PM_{2.5}$	3.37	1.23	28, 29	28, 29	--

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
NH_3 - ammonia
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code □ 101.1
PM - particulate matter suspended in the atmosphere, including PM10.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
H_2SO_4 - sulfuric acid
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
Cl - chlorine
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium

(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 30-day rolling average.
(8) Hourly emission rates of NO_x, CO, and NH_3 are those authorized by Standard Permit Number 45779, issued March 29, 2001, with changes to permit representations dated December 22, 2006.
(9) The hourly emission rate is based on a three-hour averaging period.
(10) Cooling tower emissions are authorized by 30 TAC 106.371.
(11) Fugitive emissions are an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and representations in the permit application.
(12) Scrubber sludge waste handling emission limits are based on, and the facilities are limited by, the following production rates:

Pug Mills A or B	200 tons/hour	Fly Ash Silo	75 tons/hour
Radial Stacker Conveyor	200 tons/hour	Economizer Ash Silo/Tank	11.2 tons/day

(13) Economizer ash truck loading emissions are authorized by Standard Permit Number 45779.
(14) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 0-500 hours in a rolling 12-month period.

(15) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 501-2000 hours in a rolling 12-month period.
(16) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 2001-4000 hours in a rolling 12-month period.
(17) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 4001-6000 hours in a rolling 12-month period.
(18) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 6001-8760 hours in a rolling 12-month period.
(19) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber operates during a rolling 12-month period.
(20) EPN SCRUB is authorized under Permit Numbers 98664, PSTTX1268, and N138.

* Performance test performed and reported at time of permit initial issuance.

** Heat input performance test was completed and reported at time of permit issuance per Permit No. 7704, Special Condition 3B. Hourly generation rates are used to demonstrate continuous compliance as specified in Permit No. 7704, Special Condition 3A.

*** Opacity is used as an indicator of PM emissions, but the opacity limits in the permit are not directly correlated to the PM limit in the MAERT; therefore, non-compliance with the opacity limit does not constitute non-compliance with the PM limit.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
NRG Texas Power LLC
Authorizing the Continued Operation of
Unit 5 Boiler
Located at **Thompsons, Fort Bend County, Texas**
Latitude 29° 28′ 31″ Longitude −95° 38′ 3″

Permits: 2348A, N033, and PSDTX901

Issuance Date: February 8, 2016

Expiration Date: February 8, 2026

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.

SPECIAL CONDITIONS

Permit Numbers 2348A, PSDTX901, and N033

Prevention of Significant Deterioration (PSD) of National Ambient Air Quality Standards (NAAQS)

1. This PSD permit action is based on the evaluation of the emissions to the atmosphere as represented in the permit application dated April 4, 2000 and subsequent submittals; and the determination that the emissions of carbon monoxide (CO) and particulate matter less than 10 microns in diameter (PM_{10}) will result in concentrations less than the applicable NAAQS significance levels for these air contaminants. The PSD applies to emissions of CO and PM_{10} from Emission Point No. (EPN) WAP5**.**

Nonattainment New Source Review (NNSR) - Emission Reductions

2. This NNSR permit is issued based on the permanent retirement of Texas Commission on Environmental Quality (TCEQ) Emission Reduction Credits (ERCs) for 4.7 tpy of emissions of volatile organic compounds (VOC). The VOC ERCs provide offsets at the rate of 1.3:1.0 for the 3.6 tpy of VOC emission increases authorized under the permit application dated April 4, 2000, and subsequent submittals. The applicant must provide the quantity of ERCs identified above to offset the VOC emissions permit prior to the utilization of any electric generation rate greater than 686 megawatts (MW).

Federal Applicability

3. This facility shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) Regulations on Standards of Performance for New Stationary Sources promulgated for steam generators in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subparts A and D.

Operating and Construction Specifications

4. Fuel for the steam generating unit shall be sweet natural gas as defined in Title 30 Texas Administrative Code Chapter 101 (30 TAC Chapter 101), and low sulfur subbituminous coal such that emissions of sulfur dioxide (SO_2) shall not exceed 1.2 lb/MMBtu heat input. Use of any other fuel will require prior approval of the Executive Director of the TCEQ.

5. Emissions of nitrogen oxides (NO_x) from the steam generating unit shall comply with 30 TAC Chapter 117 requirements. 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.

6. Opacity of emission from the steam generating unit must not exceed 10 percent as determined by EPA Reference Method 9 or by continuous opacity monitoring system (COMS) as required by Special Condition No. 11 averaged over a six-minute period, except during periods of routine maintenance, start-up, or shutdown (MSS) or as otherwise allowed by law. During periods of MSS, the opacity shall not exceed 20 percent over a six-minute period. **(4/12)**

7. Stack sampling ports and platform(s) as specified in the attachment entitled "Chapter 2, Stack Sampling Facilities," or an alternate design may be required at a later date if determined necessary by the TCEQ Regional Director.

Initial Demonstration of Compliance

8. If required by the Executive Director of the TCEQ, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the steam generating unit. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

   A. The appropriate TCEQ Regional Office in the region where the source is located shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

      The notice shall include:

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

      The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

      A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The Regional Director or the Director of the Air Permits Division shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in B of this condition shall be submitted to the TCEQ Air Permits Division. Test waivers and alternate or equivalent procedure proposals for New Source Performance Standards (NSPS) testing which must have the EPA approval shall be submitted to the TCEQ Austin Air Permits Division.

B. Air contaminants emitted from the steam generating unit to be tested for include (but are not limited to) NO_x, CO, SO_2, VOC, and PM_{10}.

C. Sampling shall occur as may be required by the Executive Director of the TCEQ. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval and requests shall be submitted to the TCEQ.

D. The steam generating unit shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of a production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the steam generating unit is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

E. Two copies of the final sampling report shall be forwarded to the TCEQ within 30 days after sampling is completed. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Houston Regional Office.
One copy to the TCEQ Austin Office of Air, Air Permits Division.

Continuous Demonstration of Compliance

9. The steam generating unit is limited to a maximum heat input of 6,570 MMBtu/hr which corresponds to an average electric generation rate of 704 MW while burning coal. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Generation rates, on a three-hour average, that are no more than 1 percent greater than the above value (i.e., 7 MW) comply with this condition. Any three-hour average value in excess of 711 MW, while burning coal shall be identified in the quarterly emission report.

The steam generating unit is limited to a maximum heat input of 7,400 MMBtu/hr which corresponds to an average electric generation rate of 768 MW while co-firing gas and coal. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Generation rates, on a three-hour average, at or below this rate comply with this condition. Any three-hour average value in excess of 768 MW, while co-firing gas and coal, shall be identified in the quarterly emission report.

All generation above 711 MW must be fueled by natural gas. Firing of natural gas above 711 MW is limited to an operating schedule of 2,500 hr/yr, maximum load equivalent. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Any three-hour average in excess of 711 MW and less than 768 MW when coal contributed more than 711 MW worth of heat input, shall be identified in the quarterly emission report.

Demonstration of compliance with this condition shall also demonstrate compliance with the emission limits of the attached table titled "Emission Sources - Maximum Allowable Emission Rates." **(05/11)**

10. The holder of this permit shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) to measure and record the concentrations of NO_x, CO, SO_2, and carbon dioxide (CO_2) or O_2 from EPN WAP5. The continuous monitoring data shall also be used to determine compliance with the emission limitations in the attached maximum allowable emission rates table.

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

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

C. The monitoring data shall be reduced to hourly average concentrations at least once each 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 the permit allowable emission rate in pounds per hour at least once everyday. Pound per hour data shall be summed on a monthly basis to TPY and used to determine compliance with the annual emissions limits of this permit. If the CEMS malfunctions, then the recorded concentrations may be reduced to units of the permit allowable as soon as practicable after the CEMS resumes normal operation.

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request.

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

F. If applicable, each CEMS may be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A and B, as an acceptable alternative to Special Condition No. 10A, B, and E.

11. The owner or operator of the facility shall install, calibrate, operate, and maintain a COMS to measure and record the opacity of emissions from EPN WAP5.

A. The COMS shall satisfy all of the Federal NSPS requirements for COMS as specified in 40 CFR Part 60, Appendix B, Performance Specification 1 (PS-1). In order to demonstrate compliance with PS-1, the COMS shall meet the manufacturer=s design and performance specifications, and undergo performance evaluation testing as outlined in 40 CFR Part 60, Subpart A, § 60.13. The TCEQ Regional Director shall be notified 30 days prior to the certification.

B. The COMS shall be zeroed and spanned daily as specified in 40 CFR § 60.13. Corrective action shall be taken when the 24-hour span drift exceeds two times the amounts specified in PS-1, or as specified by the TCEQ if not specified in PS-1.

C. If the EPA promulgates a quality assurance, quality control standard for the COMS, a Quality Assurance Plan shall be prepared and maintained in accordance with the EPA standard for the COMS within six months. At the request of the TCEQ Regional Director, the holder of this permit shall submit documentation demonstrating compliance with these standards.

D. The data shall be reduced to six-minute opacity averages, using a minimum of 36 equally-spaced data points from each six-minute period.

E. Data including all periods of operation, all monitoring data, and quality-assurance data shall be maintained and made available on request to representatives of the TCEQ and any local air pollution program having jurisdiction, and shall be retained for at least five years following the date that the data is obtained.

F. If the COMS exceeds greater than 5 percent downtime for the reporting quarter, the owner/operator shall develop and implement a monitor quality improvement plan. The plan should address the downtime issues to improve availability and reliability. The plan should provide additional assurance of compliance including Method 9 support during daytime monitor downtime periods and parametric support for nighttime monitor downtime periods.

G. For Special Condition No. 11 (A) and (B), the COMS shall meet the applicable requirements of 40 CFR Part 60, Appendix B, PS-1 upon certification and/or recertification where compliance is based on the regulation in effect at the time of initial certification of the system. Additionally, field audit tests conducted within six months of renewal shall validate continued COMS performance.

Recordkeeping Requirements

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

A. Continuous emission monitoring data to demonstrate compliance with the emission rates listed in the maximum allowable emission rates table.

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

C. Records of hours of operation, fuel use, and electric generation rates as specified in Special Condition No. 9 shall be maintained.

D. Stack sampling results or other air emissions testing (other than CEMS data) after date of issuance of this permit.

13. A copy of this permit shall be kept at the plant site and made available at the request of personnel from the TCEQ or any air pollution control agency with jurisdiction.

Routine Maintenance, Startup, and Shutdown

14. This permit authorizes the emissions from the planned maintenance, startup, and shutdown (MSS) activities listed in Attachment A, Attachment B, or 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 MSS activities that are non-ILE planned maintenance activities that this permit authorizes to be performed. **(4/12)**

15. 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. **(4/12)**

16. The CO and NH_3 mass emissions limits in the MAERT attached to this permit that apply during planned MSS activities constitute alternative case specific specifications for the CO and NH_3 concentration limits in Title 30 Texas Administrative Code (30 TAC) Chapter 117.1210(b) during planned MSS activities. **(4/12)**

17. Emissions during planned startup and shutdown activities will be minimized by limiting the duration of operation in planned startup and shutdown mode as follows: **(4/12)**

    A. A planned startup of the electric generating facility (EGF), WA Parish Unit 5, is defined as the period that begins with initial fuel flow to the boiler and is complete when the boiler is released to dispatch. A planned startup event shall not exceed 2,880 minutes in duration. Extended startups lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year.

    B. A planned shutdown of the EGF, WA Parish Unit 5, is defined as the period that commences when the unit is released by dispatch for shutdown, or plant personnel request a shutdown for maintenance and ends when fuel is no longer fired. A planned shutdown event shall not exceed 2,880 minutes in duration. Extended shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended shutdowns do not exceed 600 hours per unit per year.

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. **(4/12)**

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. **(4/12)**

20. Vacuum trucks that are used to move liquids with a vapor pressure greater than 0.5 psia during planned maintenance activities shall utilize submerged loading. **(4/12)**

21. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows. **(4/12)**

    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 MSS activities (See Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 22A, the permit holder shall compare the pollutant's short-term (hourly) emissions during planned MSS activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

    C. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions occur through a stack, but are not measured using CEMS as per Special Condition No. 22A, the permit holder shall determine the total emissions of the pollutant through the stack that result from such non-ILE planned MSS activities in accordance with Special Condition No. 22B.

    D. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions do not occur through a stack, the permit holder shall do the following for each calendar month.

        (1) Determine the total emissions of the pollutant from such non-ILE planned MSS activities in accordance with Special Condition No. 22B.

(2) Once monthly emissions have been determined in accordance with Special Condition No. 21D(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall compare the sum of the rolling 12-month emissions, for the pollutant for all non-ILE planned MSS activities and the annual potential to emit for the pollutant from all ILE planned MSS activities (as referenced in Special Condition 21A), to the annual emissions limit for the pollutant in the MAERT.

22. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 21 as follows. **(4/12)**

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. 22A, 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 4 below, provided that the permit holder maintains appropriate records supporting such determination:

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

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

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

(4) Use of parametric monitoring system (PEMS) data applicable to the facility.

23. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until 180 days after issuance of the permit amendment that added such conditions. **(4/12)**

Permits by Rule and Standard Permits

24. The following maintenance activities at the site are currently authorized by permits by rule (PBR) under 30 TAC Chapter 106 or PBR predecessor standard exemptions (SE) to 30 TAC Chapter 116. This list is not intended to be all inclusive and can be altered at the site without modification to this permit. The standard permit identified below was issued under 30 TAC Chapter 116. **(4/12)**

Description	PBR, SE, Standard Permit No.
Comfort Heating System Maintenance and Repair	SE 003, 106.102
Bench Scale laboratory Equipment	SE 034 106.122
Brazing, Soldering, and Welding	SE 039 106.227
Enclosed and Outdoor Dry Abrasive Blasting	106.263
Miscellaneous Surface Coating	106.263
Hand-Held Equipment for Buffing, Polishing, Cutting, Drilling, Sawing, Grinding, Turning, or Machining Wood, Metal or Plastic	SE 040 106.265
Refrigeration System maintenance and Repair	SE 103 106.373
Solvent Cleaning-Parts Degreaser	SE 107 106.454
Portable Engines	SE 005 106.511
Water and Wastewater Treatment	SE 061 106.532
Standard Permit for Pollution Controls	45326

Dated April 30, 2012

Attachment A

Permit Nos. 2348A, PSDTX901, and N033

Inherently Low Emitting (ILE) Planned Maintenance Activities

Planned Maintenance Activity	Emissions					
	NH_3/Urea	VOC	NOx	CO	PM	SO_2
Water-based washing		X				
Miscellaneous particulate filter maintenance[1]					X	
Catalyst handling and maintenance					X	
Maintenance of storage vessels storing material with vapor pressure <0.5 psia	X	X				
Boiler general maintenance[2]					X	
Gaseous fuel venting (pipe length < 100 feet)		X				
Management of sludge from pits, ponds, sumps, and water conveyances[3]		X				
Organic chemical usage, not covered by "manual surface coating or solvent cleaning operations" or by "use and disposal of aerosol products"		X				
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS.		X	X	X		X
Deslagging of boiler[4]		X	X	X	X	
Material handling system maintenance[5]					X	
Small equipment and fugitive component repair/replacement in VOC and inorganic service[6]	X	X				

Notes:

1. Includes, but is not limited to, baghouse filters, ash silo/transfer filters, coal handling filters, process-related building air filters, and combustion turbine air intake filters.
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. Includes, but is not limited to, management by vacuum truck/dewatering of materials in open pits and ponds, and sumps, tanks and other closed or open vessels. Materials managed include water and sludge mixtures containing miscellaneous VOCs such as diesel, lube oil, and other waste oils.
4. Includes, but is not limited to, explosive blasting, clinker shooting, and other boiler deslagging activities; does not include dry abrasive blasting that may occur in boilers.
5. Material handling system equipment includes, but is not limited to, silos, transport systems, coal bunkers, coal crushing equipment, coal handling, nuvafeeders, hoppers, FGD sludge handling system. Materials handled include coal, ash, limestone, gypsum, mercury, and sorbents.
6. Includes, but is not limited to, (i) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters and screens in natural gas, fuel oil, diesel oil, ammonia, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NOx control device maintenance (including maintenance of the anhydrous ammonia systems and aqueous ammonia systems associated with SCR systems and SNCR systems)

Attachment B

Permit Nos. 2348A, PSDTX901, and N033

Non-Inherently Low Emitting Planned MSS Activities

Planned Maintenance Activity	Emissions						
	EPN	NH_3/Urea	VOC	NO_X	CO	PM	SO_2
Combustion optimization[1]	WAP5		X	X	X	X	X
Vacuum truck solids loading[2] and unloading	MSSFUG[5]					X	
NOx control device maintenance - unit online	WAP5	X		X			
PM control device maintenance - unit online	WAP5					X	
Flue gas conditioning system maintenance fugitives - unit offline[3]	MSSFUG[5]	X				X	
Maintenance of storage vessels storing gasoline or other material with vapor pressure >0.5 psia that does not require clearing of the vessels to allow for entry of personnel	MSSFUG[5]	X	X				
Gaseous fuel venting (pipe length > 100 feet)	MSSFUG[5]		X				
Portable small engines[4]	MSSFUG[5]		X	X	X	X	X
Use of fans during maintenance - unit offline	WAP5					X	
Main unit Planned Startup and Planned Shutdown	WAP5	X	X	X	X	X	X

Notes:

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

2. Includes site-wide solids vacuuming operations (e.g., SCR, baghouse, ESP, ducts, furnace, loop seals, stripper coolers, and airlocks).
3. Includes, but is not limited to, maintenance of anhydrous ammonia systems and aqueous ammonia systems used to condition flue gas before it is controlled by a PM control device.
4. Includes engines used onsite for longer than twelve consecutive months.
5. Emission point MSSFUG represents permitted site-wide MSS fugitive emissions. MSSFUG emissions are quantified in the maximum allowable emissions rate table in Permit No. 7704 and PSDTX234M2.

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2348A, PSDTX901, and N033

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY(4)(6)
WAP5	WA Parish Unit No. 5 Stack While Coal-Fired (9)	NO_x (7)(11)	2,000.0	6,570.0
		SO_2 (8)	7,884.0	34,530.0
		CO (7)	2,168.0	9,496.0
		VOC	23.3	102.0
		PM/PM_{10}	657.0	2,878.0
		H_2SO_4	33.0	145.0
		NH_3 (11)	42.0	184.0
		Pb	0.43	0.17
		HF	128.0	104.0
		As	0.13	0.07
		Be	0.24	0.03
		Cd	0.04	0.05
		HCl	33.85	77.8
		Cr	0.14	0.2
		Hg	2.13	0.3
		Mn	0.33	0.4
		Ni	0.33	0.3
		Se	0.50	0.1
WAP5	WA Parish Unit No. 5 Stack While Coal and Gas-Fired (10)	NO_x (7)(11)	2,000.0	6,570.0
		SO_2 (8)	7,884.0	34,530.0
		CO (7)	2,238.0	9,583.0

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY(4)(6)
		VOC	26.0	105.0
		PM/PM_{10}	663.0	2,885.0
		H_2SO_4	33.0	145.0
		NH_3 (11)	42.0	184.0
		Pb	0.43	0.17
		HF	128.0	104.0
		As	0.13	0.07
		Be	0.24	0.03
		Cd	0.04	0.05
		HCl	33.85	77.8
		Cr	0.14	0.2
		Hg	2.13	0.3
		Mn	0.33	0.4
		Ni	0.33	0.3
		Se	0.50	0.1

(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) NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
PM - particulate matter suspended in the atmosphere, including PM10.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
H_2SO_4 - sulfuric acid
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium

Emission Sources - Maximum Allowable Emission Rates

HCl - hydrogen chloride
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium

(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 24-hour average.
(8) The hourly emission rate is based on a 3-hour average.
(9) The coal fired emission rates are based on the maximum heat input allowed with coal as the only fuel.
(10) The coal and gas fired emission rates are based on the maximum heat input allowed with coal as the only fuel plus additional heat input from natural gas.
(11) Emission rates of NO_x and NH_3 are authorized by Standard Permit No. 45326, issued March 29, 2001, with changes to permit representations dated December 22, 2006.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Date April 30, 2012

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
NRG Texas Power LLC
Authorizing the Continued Operation of
W.A. Parish Electric Generating Station Unit 6
Located at **Thompsons, Fort Bend County, Texas**
Latitude 29° 28′ 31″ Longitude –95° 38′ 3″

Permits: 2349A, PSDTX902, and N034

Issuance Date: February 25, 2016

Expiration Date: February 25, 2026

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.

Special Conditions

Permit Numbers 2349A, PSDTX902, and N034

Prevention of Significant Deterioration (PSD) of National Ambient Air Quality Standards (NAAQS)

1. This PSD permit action is based on the evaluation of the emissions to the atmosphere as represented in the permit application dated April 4, 2000, and subsequent submittals; and the determination that the emissions of carbon monoxide (CO) and particulate matter less than 10 microns in diameter (PM_{10}) will result in concentrations less than the applicable NAAQS significance levels for these air contaminants. PSD applies to emissions of CO and PM_{10} from Emission Point No. (EPN) WAP6.

Nonattainment New Source Review (NNSR) - Emission Reductions

2. This NNSR permit is issued based on the permanent retirement of Texas Commission on Environmental Quality (TCEQ) emission reduction credits (ERCs) for 4.7 tpy of emissions of volatile organic compounds (VOC). The VOC ERCs provide offsets at the rate of 1.3:1.0 for the 3.6 tpy of VOC emission increases authorized under the permit application dated April 4, 2000, and subsequent submittals. The applicant must provide the quantity of ERCs identified above to offset the VOC emissions prior to the utilization of any electric generation rate greater than 700 megawatts (MW).

Federal Applicability

3. This facility shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) Regulations on Standards of Performance for New Stationary Sources promulgated for steam generators in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subparts A and D.

Operating and Construction Specifications

4. Fuel for the steam generating unit shall be sweet natural gas as defined in Title 30 Texas Administrative Code Chapter 101 (30 TAC Chapter 101), and low sulfur subbituminous coal such that emissions of sulfur dioxide (SO_2) shall not exceed 1.2 lb/MMBtu heat input. Use of any other fuel will require prior approval of the Executive Director of the TCEQ.

5. Emissions of nitrogen oxides (NO_x) from the steam generating unit shall comply with 30 TAC Chapter 117 requirements. 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.

6. Opacity of emission from the steam generating unit must not exceed 10 percent as determined by EPA Reference Method 9 or by continuous opacity monitoring system (COMS) as required by Special Condition No. 11 averaged over a six-minute period, except during periods of routine maintenance, start-up, or shutdown (MSS) or as otherwise allowed by law. During periods of MSS, the opacity shall not exceed 20 percent over a six-minute period.

7. Stack sampling ports and platform(s) as specified in the attachment entitled "Chapter 2, Stack Sampling Facilities," or an alternate design may be required at a later date if determined necessary by the TCEQ Regional Director.

Demonstration of Compliance

8. If required by the Executive Director of the TCEQ, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the steam generating unit. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

   A. The appropriate TCEQ Regional Office in the region where the source is located shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

      The notice shall include:

      (1) Date for pretest meeting.

      (2) Date sampling will occur.

      (3) Name of firm conducting sampling.

      (4) Type of sampling equipment to be used.

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

      The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

      A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The Regional Director or the Director of the Air Permits Division shall approve or disapprove of any deviation from specified sampling procedures.

      Requests to waive testing for any pollutant specified in B of this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate or equivalent procedure proposals for New Source Performance Standards (NSPS) testing which must have EPA approval shall be submitted to the TCEQ Austin Air Permits Division.

   B. Air contaminants emitted from the steam generating unit to be tested for include (but are not limited to) NO_x, CO, SO_2, VOC, and PM_{10}.

   C. Sampling shall occur as may be required by the Executive Director of the TCEQ. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval and requests shall be submitted to the TCEQ Air Permits Division.

D. The steam generating unit shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of a production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the steam generating unit is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

E. Two copies of the final sampling report shall be forwarded to the TCEQ within 30 days after sampling is completed. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

(1) One copy to the TCEQ Houston Regional Office.

(2) One copy to the EPA Region 6 Office, Dallas.

Continuous Demonstration of Compliance

9. The steam generating unit is limited to a maximum heat input of 6,570 MMBtu/hr which corresponds to an average electric generation rate of 700 MW while burning coal. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Generation rates, on a three-hour average, that are no more than 1 percent greater than the above value (i.e., 7 MW) comply with this condition. Any three-hour average value in excess of 707 MW, while burning coal shall be identified in the quarterly emission report.

The steam generating unit is limited to a maximum heat input of 7,400 MMBtu/hr which corresponds to an average electric generation rate of 764 MW while co-firing gas and coal. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Generation rates, on a three-hour average, at or below this rate comply with this condition. Any three-hour average value in excess of 764 MW, while co-firing gas and coal shall be identified in the quarterly emission report.

All generation above 707 MW must be fueled by natural gas. Firing of natural gas above 707 MW is limited to an operating schedule of 2,500 hr/yr, maximum load equivalent. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Any three-hour average in excess of 707 MW and less than 764 MW when coal contributed more than 707 MW worth of heat input, shall be identified in the quarterly emission report.

Demonstration of compliance with this condition shall also demonstrate compliance with the emission limits of the attached table titled "Emission Sources - Maximum Allowable Emission Rates."

10. The holder of this permit shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) to measure and record the concentrations of NO_x, CO, SO_2, and carbon dioxide (CO_2) or O_2 from EPN WAP6. The continuous monitoring

data shall also be used to determine compliance with the emission limitations in the attached maximum allowable emission rates table.

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

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

C. The monitoring data shall be reduced to hourly average concentrations at least once everyday, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in pounds per hour at least once everyday. Pound per hour data shall be summed on a monthly basis to TPY and used to determine compliance with the annual emissions limits of this permit. If the CEMS malfunctions, then the recorded concentrations may be reduced to units of the permit allowable as soon as practicable after the CEMS resumes normal operation.

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request.

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

F. If applicable, each CEMS may be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A and B, as an acceptable alternative to Special Condition No. 10A, B, and E.

11. The owner or operator of the facility shall install, calibrate, operate, and maintain a COMS to measure and record the opacity of emissions from EPN WAP6.

A. The COMS shall satisfy all of the Federal NSPS requirements for COMS as specified in 40 CFR Part 60, Appendix B, Performance Specification 1 (PS-1). In order to demonstrate compliance with PS-1, the COMS shall meet the manufacturer's design and performance specifications, and undergo performance evaluation testing as

outlined in 40 CFR Part 60, Subpart A, § 60.13. The TCEQ Regional Director shall be notified 30 days prior to the certification.

B. The COMS shall be zeroed and spanned daily as specified in 40 CFR Part 60, § 60.13. Corrective action shall be taken when the 24-hour span drift exceeds two times the amounts specified in PS-1, or as specified by the TCEQ if not specified in PS-1.

C. If the EPA promulgates a quality assurance, quality control standard for the COMS, a Quality Assurance Plan shall be prepared and maintained in accordance with the EPA standard for the COMS within six months. At the request of the TCEQ Regional Director, the holder of this permit shall submit documentation demonstrating compliance with these standards.

D. The data shall be reduced to six-minute opacity averages, using a minimum of 36 equally-spaced data points from each six-minute period.

E. Data including all periods of operation, all monitoring data, and quality-assurance data shall be maintained and made available on request to representatives of the TCEQ and any local air pollution program having jurisdiction, and shall be retained for at least five years following the date that the data is obtained.

F. If the COMS exceeds greater than 5 percent downtime for the reporting quarter, the owner/operator shall develop and implement a monitor quality improvement plan. The plan should address the downtime issues to improve availability and reliability. The plan should provide additional assurance of compliance including EPA Reference Method 9 support during daytime monitor downtime periods and parametric support for nighttime monitor downtime periods.

G. For Special Condition No. 11A and B, the COMS shall meet the applicable requirements of 40 CFR Part 60, Appendix B, PS-1 upon certification and/or recertification where compliance is based on the regulation in effect at the time of initial certification of the system. Additionally, field audit tests conducted within six months of renewal shall validate continued COMS performance.

Recordkeeping Requirements

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

A. Continuous emission monitoring data to demonstrate compliance with the emission rates listed in the maximum allowable emission rates table.

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

C. Records of hours of operation, fuel use, and electric generation rates as specified in Special Condition No. 9 shall be maintained.

D. Stack sampling results or other air emissions testing (other than CEMS data) after date of issuance of this permit.

13. A copy of this permit shall be kept at the plant site and made available at the request of personnel from the TCEQ or any air pollution control agency with jurisdiction.

Routine Maintenance, Startup, and Shutdown

14. This permit authorizes the emissions from the planned maintenance, startup, and shutdown (MSS) activities listed in Attachment A, Attachment B, or 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 MSS activities that are non-ILE planned maintenance activities that this permit authorizes to be performed.

15. 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.

16. The CO and NH_3 mass emissions limits in the MAERT attached to this permit that apply during planned MSS activities constitute alternative case specific specifications for the CO and NH_3 concentration limits in Title 30 Texas Administrative Code (30 TAC) Chapter 117.1210(b) during planned MSS activities.

17. 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 electric generating facility (EGF), WA Parish Unit 6, is defined as the period that begins with initial fuel flow to the boiler and is complete when the boiler is released to dispatch. A planned startup event shall not exceed 2,880 minutes in duration. Extended startups lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year.

    B. A planned shutdown of the EGF, WA Parish Unit 6, is defined as the period that commences when the unit is released by dispatch for shutdown due to market conditions, or when plant personnel request a shutdown for maintenance and ends when fuel is no longer fired. A planned shutdown event shall not exceed 2,880 minutes in duration. Extended shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended shutdowns do not exceed 600 hours per unit per year.

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 with a vapor pressure greater than 0.5 psia during planned maintenance activities shall utilize submerged loading.

21. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows.

    A. For each pollutant emitted during ILE planned maintenance activities, the permit holder shall annually confirm the continued validity of the estimated potential to emit represented in the permit application for all ILE planned maintenance activities. The total emissions from all ILE planned maintenance activities (See Attachment 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 MSS activities (See Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 22A, the permit holder shall compare the pollutant's short-term (hourly) emissions during planned MSS activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

    C. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions occur through a stack, but are not measured using CEMS as per Special Condition No. 22A, the permit holder shall determine the total emissions of the pollutant through the stack that result from such non-ILE planned MSS activities in accordance with Special Condition No. 22B.

    D. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions do not occur through a stack, the permit holder shall do the following for each calendar month.

        (1) Determine the total emissions of the pollutant from such non-ILE planned MSS activities in accordance with Special Condition No. 22B.

        (2) Once monthly emissions have been determined in accordance with Special Condition No. 21D(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall compare the sum of the rolling 12-month emissions, for the pollutant for all non-ILE planned MSS activities and the annual potential to emit for the pollutant from all ILE planned MSS activities (as referenced in Special Condition 21A), to the annual emissions limit for the pollutant in the MAERT.

22. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 21 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. 22A, 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 4 below, provided that the permit holder maintains appropriate records supporting such determination:

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

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

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

(4) Use of parametric monitoring system (PEMS) data applicable to the facility.

23. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until 180 days after issuance of the permit amendment that added such conditions.

Additional Authorizations

24. The following facilities and maintenance activities are authorized by permits by rule (PBR) under 30 TAC Chapter 106, or PBR predecessor standard exemptions (SE) to 30 TAC Chapter 116, or by Standard Permits. These authorizations are listed here for reference purposes only and may be altered at the site without modifications to this permit.

Description	PBR, SE, Standard Permit No.
Comfort Heating System Maintenance and Repair	SE 003, 106.102
Bench Scale laboratory Equipment	SE 034, 106.122
Brazing, Soldering, and Welding	SE 039, 106.227

Description	PBR, SE, Standard Permit No.
Enclosed and Outdoor Dry Abrasive Blasting	106.263
Miscellaneous Surface Coating	106.263
Hand-Held Equipment for Buffing, Polishing, Cutting, Drilling, Sawing, Grinding, Turning, or Machining Wood, Metal or Plastic	SE 040, 106.265
Refrigeration System maintenance and Repair	SE 103, 106.373
Solvent Cleaning-Parts Degreaser	SE 107, 106.454
Portable Engines	SE 005, 106.511
Water and Wastewater Treatment	SE 061, 106.532
Standard Permit for Pollution Controls	43191
Standard Permit for Pollution Controls	97958
Standard Permit for Pollution Controls	108189

Date: February 25, 2016

Permit Numbers 2329A, PSDTX902, and N034

Attachment A

Inherently Low Emitting (ILE) Planned Maintenance Activities						
Planned Maintenance Activity	Emissions					
	NH_3/ Urea	VOC	NO_x	CO	PM	SO_2
Water-based washing		X				
Miscellaneous particulate filter maintenance[1]					X	
Catalyst handling and maintenance					X	
Maintenance of storage vessels storing material with vapor pressure <0.5 psia	X	X				
Boiler general maintenance[2]					X	
Gaseous fuel venting (pipe length <100 feet)		X				
Management of sludge from pits, ponds, sumps, and water conveyances[3]		X				
Organic chemical usage, not covered by "manual surface coating or solvent cleaning operations" or by "use and disposal of aerosol products:		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
Deslagging of the boiler[4]		X	X	X	X	
Material handling system maintenance[5]					X	
Small equipment and fugitive component repair/[6]replacement in VOC and inorganic service	X	X				

Date: February 25, 2016

[1] Includes, but is not limited to, baghouse filters, ash silo/transfer filters, coal handling filters, process-related building air filters, and combustion turbine air intake filters.

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

[4] Includes, but is not limited to, explosive blasting, clinker shooting, and other boiler deslagging activities; does not include dry abrasive blasting that may occur in boilers.

[5] Material handling system equipment includes, but is not limited to, silos, transport systems, coal bunkers, coal crushing equipment, coal handling, nuvafeeders, hoppers, FGD sludge handling system. Materials handled include coal, ash, limestone, gypsum, mercury, and sorbents.

[6] Includes, but is not limited to, (i) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters and screens in natural gas, fuel oil, diesel oil, ammonia, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NO_x control device maintenance (including maintenance of the anhydrous ammonia systems and aqueous ammonia systems associated with SCR systems and SNCR systems)

Permit Numbers 2349A, PSDTX902, and N034

Attachment B

Non-Inherently Low Emitting Planned MSS Activities							
Planned Maintenance Activities	EPN[7]	Emissions					
		NH_3/ Urea	VOC	NO_x	CO	PM	SO_2
Combustion optimization[8]	WAP6		X	X	X	X	X
Vacuum truck solid loading and unloading[9]	MSSFUG					X	
NO_x control device maintenance – unit online	WAP6			X			
PM control device maintenance – unit online	WAP6					X	
Flue gas conditioning system maintenance fugitives – unit offline[10]	MSSFUG					X	
Maintenance of storage vessels storing gasoline or other material with vapor pressure >5 psis that does not require clearing of the vessel to allow for entry of personnel	MSSFUG	X	X				
Gaseous fuel venting (pipe length > 100 feet)	MSSFUG		X				
Portable engines[11]	MSSFUG		X	X	X	X	X
Use of fans during maintenance – unit offline	WAP6					X	
Main unit planned startup and planned shutdown	WAP6	X	X	X	X	X	X

Date: February 25, 2016

[7] Emission Point Number: MSSFUG represents permitted site-wide MSS fugitive emissions. MSSFUG emissions are quantified in the MAERT in Permit Nos. 7704 and PSDTX234M2.

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

[9] Includes site-wide solids vacuuming operations (e.g., SCR, baghouse, ESP, ducts, furnace, loop seals, stripper coolers, and airlocks).

[10] Includes, but is not limited to, maintenance of anhydrous ammonia systems and aqueous ammonia systems used to condition flue gas before it is controlled by a PM control device.

[11] Includes engines used onsite for longer than twelve consecutive months.

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2349A, PSDTX902, and N034

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY(4)(6)
WAP6	WA Parish Unit No. 6 Stack While Coal-Fired (9)	NO_x (7)(11)	2,000.0	6,570.0
		SO_2 (8)	7,884.0	34,530.0
		CO (7)	2,168.0	9,496.0
		VOC	23.3	102.0
		PM/PM_{10}	657.0	2,878.0
		H_2SO_4	33.0	145.0
		NH_3 (11)	83.0	363.0
		Pb	0.43	0.17
		HF	128.0	104.0
		As	0.13	0.07
		Be	0.24	0.03
		Cd	0.04	0.05
		HCl	33.85	77.8
		Cr	0.14	0.2
		Hg (13)	2.13	0.3
		Mn	0.33	0.4
		Ni	0.33	0.3
		Se	0.50	0.1

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY(4)(6)
WAP6	WA Parish Unit No. 6 Stack While Coal and Gas-Fired (10)	NO_x (7)(11)	2,000.0	6,570.0
		SO_2 (8)	7,884.0	34,530.0
		CO (7)	2,238.0	9,583.0
		VOC	26.0	105.0
		PM/PM_{10}	663.0	2,885.0
		H_2SO_4	33.0	145.0
		NH_3 (11)	83.0	363.0
		Pb	0.43	0.17
		HF	128.0	104.0
		As	0.13	0.07
		Be	0.24	0.03
		Cd	0.04	0.05
		HCl	33.85	77.8
		Cr	0.14	0.2
		Hg (13)	2.13	0.3
		Mn	0.33	0.4
		Ni	0.33	0.3
		Se	0.50	0.1
AMMFUG	Ammonia Fugitives (12)	NH_3	1.17	5.15

(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) NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter suspended in the atmosphere, including PM_{10}.

Emission Sources - Maximum Allowable Emission Rates

PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
H_2SO_4 - sulfuric acid
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
HCl - hydrogen chloride
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium

(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 24-hour average.
(8) The hourly emission rate is based on a 3-hour average.
(9) The coal fired emission rates are based on the maximum heat input allowed with coal as the only fuel.
(10) The coal and gas fired emission rates are based on the maximum heat input allowed with coal as the only fuel plus additional heat input from natural gas.
(11) Emission rates of NO_x and NH_3 are authorized by Standard Permit No. 43191, issued February 24, 2000, with changes to permit representations dated December 22, 2006.
(12) Facility-wide ammonia piping fugitives are authorized by Standard Permit No. 43191.
(13) The hourly emission rate is based on a 30-day rolling average.

Date: February 25, 2016

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 29, 2012

MR CRAIG R ECKBERG
SENIOR MANAGER ENVIRONMENTAL BUSINESS
NRG TEXAS POWER LLC
1201 FANNIN ST
HOUSTON TX 77002-6929

Re: Permit Amendment Application
Permit Number: 5530
WA Parish Electric Generating Station
Thompsons, Fort Bend County
Regulated Entity Number: RN100888312
Customer Reference Number: CN603207218
Account Number: FG-0020-V

Dear Mr. Eckberg:

This is in response to your letter received August 18, 2011 and your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 5530. We understand that you propose to update the original representations for the Units 7 and 8 fly ash and Unit 7 economizer ash handling systems and have the ash truck loading emission points added to the maximum allowable emission rate table (MAERT) of the permit.

As indicated in Title 30 Texas Administrative Code § 116.116(b) and § 116.160 [30 TAC § 116.116(b) and § 116.160], and based on our review, Permit Number 5530 is hereby amended. This information will be incorporated into the existing permit file. Enclosed are revised special conditions pages and a MAERT table to replace those currently attached to your permit. We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met.

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

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

Re: Permit Number: 5530

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

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

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Mr. Randy Hamilton, P.E. at (512) 239-1512 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.

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

Sincerely,

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

MPW/rh

Enclosure

cc: Air Section Manager, Region 12 - Houston
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Numbers: 169090

Special Conditions

Permit Numbers 5530, PSDTX33M1, and N035

Maximum Allowable Emission Rates

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. **(6/12)**

Prevention of Significant Deterioration (PSD) of National Ambient Air Quality Standards (NAAQS)

2. This PSD permit action is based on the evaluation of the emissions to the atmosphere as represented in the permit issued October 28, 1977, and the permit amendment application dated April 4, 2000, and subsequent submittals; and the determination that the emissions of NO_2 (expressed as nitrogen oxides [NO_x]), particulate matter less than 10 microns in diameter (PM_{10}), sulfur dioxide (SO_2), and carbon monoxide (CO) will result in concentrations less than the applicable NAAQS significance levels for these air contaminants. PSD applies to emissions of NO_x, PM_{10}, SO_2, and CO from Emission Point No. (EPN) WAP7.

Nonattainment New Source Review (NNSR) - Emission Reductions

3. This NNSR permit is issued based on the permanent retirement of Texas Commission on Environmental Quality (TCEQ) Emission Reduction Credits (ERCs) for 5.5 tons per year (tpy) of emissions of volatile organic compounds (VOC). The VOC ERCs provide offsets at the rate of 1.3:1.0 for the 4.2 tpy of VOC emission increases authorized under the permit application dated April 4, 2000, and subsequent submittals. The applicant must provide the quantity of ERCs identified above to offset the VOC emissions prior to the utilization of any electric generation rate greater than 613 megawatts (MW). **(01/08)**

Federal Applicability

4. This facility shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) Regulations on Standards of Performance for New Stationary Sources promulgated for steam generators in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subparts A and D.

Operating and Construction Specifications

5. Fuel for the steam generating unit shall be sweet natural gas as defined in Title 30 Texas Administrative Code Chapter 101 (30 TAC Chapter 101); low sulfur subbituminous coal such that emissions of SO_2 shall not exceed 1.2 pound per million Btu of heat input; and for ignitors and warm-up, distillate fuel oil containing no more than 0.3 percent sulfur by weight. Use of any other fuel will require prior approval of the Executive Director of the TCEQ.

6. Emissions of NO_x from the steam generating unit shall comply with 30 TAC Chapter 117 requirements. 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.

7. Opacity of emission from the steam generating unit must not exceed 10 percent as determined by EPA Reference Method 9 or by continuous opacity monitoring system (COMS) as required by Special Condition No. 15 averaged over a six-minute period, except during periods of routine maintenance, start-up, or shutdown (MSS) or as otherwise allowed by law. During periods of MSS, the opacity shall not exceed 20 percent over a six-minute period. **(4/12)**

8. Stack sampling ports and platform(s) as specified in the attachment entitled "Chapter 2, Stack Sampling Facilities," or an alternate design may be required at a later date if determined necessary by the TCEQ Regional Director.

Ash Handling System (6/12)

9. Compliance with the emission limits on the MAERT is based on the following ash handling activity levels:

Source	EPN	Maximum activity level	
Units 7 & 8 fly ash silos Truck Loading	7&8FAH	truckloads	per
		10	hour
		14,000	12 months
Unit 7 economizer ash tanks Truck Loading	7EAH	tons loaded	per
		35	hour
		10,000	12 months

10. As determined by a certified opacity observer with delegation from the Executive Director of the TCEQ, opacity of emissions from the Unit 7 and 8 Fly Ash Storage Silo Truck Loading Area and the Unit 7 Economizer Ash Transfer Tank Truck Loading Area (EPNs 7&8FAH and 7EAH) shall not exceed 10 percent averaged over a six-minute period, and according to EPA Test Method 9 (or equivalent). Periodic monitoring to demonstrate compliance with this Special Condition shall be conducted monthly in accordance with Special Condition No. 16 of Permit No. 7704.

11. The company has represented the following to comply with all TCEQ rules and regulations:

    A. Exhaust air from plant fly ash silos for Units 7 and 8 shall be routed into the boiler flue gas stream ahead of the baghouses.

    B. A visible and/or audible warning device shall be installed on each plant fly ash storage silo for Units 7 and 8 to warn operators that the silo is full so that it will not be overloaded at any time. The truck loading operations shall be manned by authorized personnel at all times during loading operations. At no time shall a truck be overloaded with ash from this operation.

    C. Any spillage of dry fly ash or economizer ash from truck loading operations shall be cleaned up and contained or dampened as soon as possible such that dust emissions from wind erosion and/or vehicle traffic are minimized.

    D. All dry fly ash and economizer ash loading to covered trucks from the silos and transfer tanks shall be accomplished through a loading spout that fits down into the truck. The loading spout shall be equipped with an outer pipe that provides negative pressure to route any fugitive ash back to the silos or transfer tanks.

    E. All hooding, duct, and collection systems associated with ash handling shall be effective in capturing ash from the collection hoppers and minimizing fugitive emissions during transport to the ash silos or transfer tanks. The ducting shall be maintained free of holes, cracks, and other conditions that would cause fugitive ash emissions.

    F. All permanent in-plant roads and other areas on the property used by fly ash transport trucks shall be watered, and/or treated with dust-suppressant chemicals, and/or, environmentally sensitive chemicals and/or paved and cleaned, as necessary, to maintain compliance with all TCEQ rules and regulations.

Demonstration of Compliance

12. If required by the Executive Director of the TCEQ, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the steam generating unit. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

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

    The notice shall include:

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

    The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

    A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The Regional Director or the Director of the Air Permits Division shall approve or disapprove of any deviation from specified sampling procedures.

    Requests to waive testing for any pollutant specified in B of this condition and test waivers and alternate or equivalent procedure proposals for New Source Performance Standard (NSPS) testing which must have EPA approval shall be submitted to the TCEQ Austin Air Permits Division.

    B. Air contaminants emitted from the steam generating unit to be tested for include (but are not limited to) NO_x, CO, SO_2, VOC, and PM_{10}.

C. Sampling shall occur as may be required by the Executive Director of the TCEQ. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval and requests shall be submitted to the TCEQ Air Permits Division.

D. The steam generating unit shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of a production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the steam generating unit is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

E. Two copies of the final sampling report shall be forwarded to the TCEQ within 30 days after sampling is completed. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Houston Regional Office.
One copy to the TCEQ Air Permits Division in Austin.

Continuous Demonstration of Compliance

13. A. The steam generating unit is limited to a maximum heat input of 5,730 MMBtu/hr which corresponds to an average electric generation rate of 613 MW while burning coal. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Generation rates, on a three-hour average, that are no more than 1 percent greater than the above value (i.e., 6 MW) comply with this condition. Any three-hour average value in excess of 619 MW, while burning coal shall be identified in the quarterly emission report. **(01/08)**

B. The steam generating unit is limited to a maximum heat input of 6,700 MMBtu/hr which corresponds to an average electric generation rate of 663 MW while co-firing gas and coal. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Generation rates, on a three-hour average, at or below this rate comply with this condition. Any three-hour average value in excess of 663 MW, while co-firing gas and coal shall be identified in the quarterly emission report. **(01/08)**

C. All generation above 619 MW must be fueled by natural gas. Firing of natural gas above 619 MW is limited to an operating schedule of 2,500 hr/yr, maximum load equivalent. Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate and fuel burned. Any three-hour average in excess of 619 MW and less than 663 MW when coal contributed more than 619 MW worth of heat input, shall be identified in the quarterly emission report. **(01/08)**

D. Demonstration of compliance with this condition shall also demonstrate compliance with the emission limits of the attached MAERT for pollutants not monitored by continuous emissions monitoring systems (CEMS). Notwithstanding, the Executive Director of the TCEQ or his designated representative may also require sampling to directly measure the lb/hr emission rate, in which case the sampled lb/hr emission rate will be used to determine compliance with the applicable emission rate in the MAERT. **(6/12)**

14. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NO_x, CO, SO_2, and carbon dioxide (CO_2) or O_2 from EPN WAP7. The continuous monitoring data shall also be used to determine compliance with the emission limitations in the attached MAERT.

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

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

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 the permit allowable emission rate in pounds per hour at least once

every day. Pound per hour data shall be summed on a monthly basis to TPY and used to determine compliance with the annual emissions limits of this permit. If the CEMS malfunctions, then the recorded concentrations may be reduced to units of the permit allowable as soon as practicable after the CEMS resumes normal operation.

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or his designated representative upon request.

E. The TCEQ Regional Office in Houston shall be notified at least 30 days prior to any required relative accuracy test audits in order to provide them the opportunity to observe the testing.

F. If applicable, each CEMS will be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A and B, as an acceptable alternative to Special Condition 14A, B, and E.

15. The owner or operator of the facility shall install, calibrate, operate, and maintain a COMS to measure and record the opacity of emissions from EPN WAP7.

A. The COMS shall satisfy all of the Federal NSPS requirements for COMS as specified in 40 CFR Part 60, Appendix B, Performance Specification 1 (PS-1). In order to demonstrate compliance with PS-1, the COMS shall meet the manufacturer's design and performance specifications, and undergo performance evaluation testing as outlined in 40 CFR 60, Subpart A, § 60.13. The TCEQ Regional Director shall be notified 30 days prior to the certification.

B. The COMS shall be zeroed and spanned daily as specified in 40 CFR Part § 60.13. Corrective action shall be taken when the 24-hour span drift exceeds two times the amounts specified in PS-1, or as specified by the TCEQ if not specified in PS-1.

C. If the EPA promulgates a quality assurance, quality control standard for the COMS, a Quality Assurance Plan shall be prepared and maintained in accordance with the EPA standard for the COMS within six months. At the request of the TCEQ Regional Director, the holder of this permit shall submit documentation demonstrating compliance with these standards.

D. The data shall be reduced to six-minute opacity averages, using a minimum of 36 equally-spaced data points from each six-minute period.

E. Data including all periods of operation, all monitoring data, and quality-assurance data shall be maintained and made available on request to representatives of the TCEQ and any local air pollution program having jurisdiction, and shall be retained for at least five years following the date that the data is obtained.

F. If the COMS exceeds greater than 5 percent downtime for the reporting quarter, the owner/operator shall develop and implement a monitor quality improvement plan. The plan should address the downtime issues to improve availability and reliability. The plan should provide additional assurance of compliance including EPA Reference Method 9 support during daytime monitor downtime periods and parametric support for nighttime monitor downtime periods.

G. For Special Condition No. 15A and B, the COMS shall meet the applicable requirements of 40 CFR Part 60, Appendix B, PS-1 upon certification and/or recertification where compliance is based on the regulation in effect at the time of initial certification of the system. Additionally, field audit tests conducted within six months of renewal shall validate continued COMS performance.

Recordkeeping Requirements

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

A. Continuous emission monitoring data to demonstrate compliance with the emission rates listed in the MAERT.

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

C. Records of hours of operation, fuel use, and electric generation rates as specified in Special Condition No. 13 shall be maintained.

D. Stack sampling results or other air emissions testing (other than CEMS data) after date of issuance of this permit.

E. Records of the number of trucks loaded with fly ash per day and per rolling 12-month period, and economizer ash loaded in tons per day and tons per 12-month rolling period, to demonstrate compliance with Special Condition No. 9. **(6/12)**

17. A copy of this permit shall be kept at the plant site and made available at the request of personnel from the TCEQ or any air pollution control agency with jurisdiction.

Routine Maintenance, Startup, and Shutdown (MSS) (4/12)

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

19. 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.

20. The CO and ammonia (NH_3) mass emissions limits in the MAERT attached to this permit that apply during planned MSS activities constitute alternative case specific specifications for the CO and NH_3 concentration limits in 30 TAC Chapter 117.1210(b) during planned MSS activities.

21. 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 electric generating facility (EGF), WA Parish Unit 7, is defined as the period that begins with initial fuel flow to the boiler and is complete when the boiler is released to dispatch. A planned startup event shall not exceed 2,880 minutes in duration. Extended startups lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year.

    B. A planned shutdown of the EGF, WA Parish Unit 7, is defined as the period

that commences when the unit is released by dispatch for shutdown due to market conditions, or when plant personnel request a shutdown for maintenance and ends when fuel is no longer fired. A planned shutdown event shall not exceed 2,880 minutes in duration. Extended shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended shutdowns do not exceed 600 hours per unit per year.

22. 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.

23. 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.

24. Vacuum trucks that are used to move liquids with a vapor pressure greater than 0.5 psia during planned maintenance activities shall utilize submerged loading.

25. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows.

    A. For each pollutant emitted during ILE planned maintenance activities, the permit holder shall annually confirm the continued validity of the estimated potential to emit represented in the permit application for all ILE planned maintenance activities. The total emissions from all ILE planned maintenance activities (See Attachment 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 MSS activities (See Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 26A, the permit holder shall compare the pollutant's short-term (hourly) emissions during planned MSS activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

    C. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions occur through a stack, but are not measured using CEMS as per Special Condition No. 26A, the permit holder shall determine the total emissions of the pollutant through the stack that result

from such non-ILE planned MSS activities in accordance with Special Condition No. 26B.

D. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions do not occur through a stack, the permit holder shall do the following for each calendar month.

(1) Determine the total emissions of the pollutant from such non-ILE planned MSS activities in accordance with Special Condition No. 26B.

(2) Once monthly emissions have been determined in accordance with Special Condition No. 25D(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall compare the sum of the rolling 12-month emissions, for the pollutant for all non-ILE planned MSS activities and the annual potential to emit for the pollutant from all ILE planned MSS activities (as referenced in Special Condition 25A), to the annual emissions limit for the pollutant in the MAERT.

26. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 25 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. 26A, 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 4 below, provided that the permit holder maintains appropriate records supporting such determination:

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

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

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

(4) Use of parametric monitoring system data applicable to the facility.

27. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until 180 days after issuance of the permit amendment that added such conditions.

Permits by Rule and Standard Permits (4/12)

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

Description	PBR, SE, or Standard Permit No.
Comfort Heating System Maintenance and Repair	SE 003, 106.102
Bench Scale laboratory Equipment	SE 034 106.122
Brazing, Soldering, and Welding	SE 039 106.227
Enclosed and Outdoor Dry Abrasive Blasting	106.263
Miscellaneous Surface Coating	106.263
Hand-Held Equipment for Buffing, Polishing, Cutting, Drilling, Sawing, Grinding, Turning, or Machining Wood, Metal or Plastic	SE 040 106.265

Description	PBR, SE, or Standard Permit No.
Refrigeration System maintenance and Repair	SE 103 106.373
Solvent Cleaning-Parts Degreaser	SE 107 106.454
Portable Engines	SE 005 106.511
Water and Wastewater Treatment	SE 061 106.532
Standard Permit for Pollution Controls	39729

Date: June 29, 2012

Attachment A
Permit Nos. 5530, PSDTX33M1, and N035
Inherently Low Emitting (ILE) Planned Maintenance Activities

Planned Maintenance Activity	Emissions					
	NH_3/Urea	VOC	NOx	CO	PM	SO_2
Water-based washing		x				
Miscellaneous particulate filter maintenance[1]					x	
Catalyst handling and maintenance					x	
Maintenance of storage vessels storing material with vapor pressure <0.5 psia	x	x				
Boiler general maintenance[2]					x	
Gaseous fuel venting (pipe length < 100 feet)		x				
Management of sludge from pits, ponds, sumps, and water conveyances[3]		x				
Organic chemical usage, not covered by "manual surface coating or solvent cleaning operations" or by "use and disposal of aerosol products"		x				
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS.		x	x	x		x
Deslagging of boiler[4]		x	x	x	x	
Material handling system maintenance[5]					x	
Small equipment and fugitive component repair/replacement in VOC and inorganic service[6]	x	x				

Notes:

1. Includes, but is not limited to, baghouse filters, ash silo/transfer filters, coal handling filters, process-related building air filters, and combustion turbine air intake filters.

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. Includes, but is not limited to, management by vacuum truck/dewatering of materials in open pits and ponds, and sumps, tanks and other closed or open vessels. Materials managed include water and sludge mixtures containing miscellaneous VOCs such as diesel, lube oil, and other waste oils.
4. Includes, but is not limited to, explosive blasting, clinker shooting, and other boiler deslagging activities; does not include dry abrasive blasting that may occur in boilers.
5. Material handling system equipment includes, but is not limited to, silos, transport systems, coal bunkers, coal crushing equipment, coal handling, nuvafeeders, hoppers, FGD sludge handling system. Materials handled include coal, ash, limestone, gypsum, mercury, and sorbents.
6. 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, NH_3, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NOx control device maintenance (including maintenance of the anhydrous NH_3 systems and aqueous NH_3 systems associated with SCR systems and SNCR systems).

Date: June 29, 2012

Attachment B
Permit Nos. 5530, PSDTX33M1, and N035
Non-Inherently Low Emitting Planned MSS Activities

Planned Maintenance Activity	Emissions						
	EPN	NH_3/Urea	VOC	NO_X	CO	PM	SO_2
Combustion optimization[1]	WAP7		x	x	x	x	x
Vacuum truck solids loading[2] and unloading	MSSFUG[5]					x	
NOx control device maintenance - unit online	WAP7	x		x			
PM control device maintenance - unit online	WAP7					x	
Flue gas conditioning system maintenance fugitives - unit offline[3]	MSSFUG[5]	x				x	
Maintenance of storage vessels storing gasoline or other material with vapor pressure >0.5 psia that does not require clearing of the vessels to allow for entry of personnel	MSSFUG[5]	x	x				
Gaseous fuel venting (pipe length > 100 feet)	MSSFUG[5]		x				
Portable small engines[4]	MSSFUG[5]		x	x	x	x	x
Use of fans during maintenance - unit offline	WAP7					x	
Main unit Planned Startup and Planned Shutdown	WAP7	x	x	x	x	x	x

Notes:

1. Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), (ii) balancing, and (iii) tuning activities that occur during seasonal tuning or after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances.
2. Includes site-wide solids vacuuming operations (e.g., SCR, baghouse, ESP, ducts, furnace, loop seals, stripper coolers, and airlocks).
3. Includes, but is not limited to, maintenance of anhydrous NH_3 systems and aqueous NH_3 systems used to condition flue gas before it is controlled by a PM control device.
4. Includes engines used onsite for longer than twelve consecutive months.
5. Emission point MSSFUG represents permitted site-wide MSS fugitive emissions. MSSFUG emissions are quantified in the MAERT in Permit No. 7704 and PSDTX234M2.

Date: June 29, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Number 5530, PSDTX33M1, and N035

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY(4)(6)
WAP7	W A Parish Unit 7 Pulverized Coal-Fired Boiler Emission Limits Based on Firing Coal Only (9)	NO_x (7)(11)	2,000	6,570
		SO_2 (8)	6,875	30,112
		CO (7)	1,891	8,281
		VOC	20.3	89
		PM/PM_{10}	573	2,509
		H_2SO_4	29	127
		NH_3 (11)	41.5	170
		Pb	0.37	0.15
		HF	111	91
		As	0.11	0.06
		Be	0.21	0.03
		Cd	0.03	0.04
		HCl	29.5	67.8
		Cr	0.12	0.2
		Hg	1.86	0.3
		Mn	0.28	0.4
		Ni	0.29	0.3
		Se	0.44	0.1

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lbs/hour (4)(5)	TPY(4)(6)
WAP7	WA Parish Unit 7 Pulverized Coal-Fired Boiler Emission Limits Based on Firing Coal and Supplementing with Natural Gas (10)	NO_x (7)(11)	2,000	6,570
		SO_2 (8)	6,875	30,112
		CO (7)	1,973	8,383
		VOC	24	93
		PM/PM_{10}	580	2,519
		H_2SO_4	29	127
		NH_3 (11)	41.5	170
		Pb	0.37	0.15
		HF	111	91
		As	0.11	0.06
		Be	0.21	0.03
		Cd	0.03	0.04
		HCl	29.5	67.8
		Cr	0.12	0.2
		Hg	1.86	0.3
		Mn	0.28	0.4
		Ni	0.29	0.3
		Se	0.44	0.1
7&8FAH	Units 7 and 8 Fly Ash Silos Truck Loading Fugitive Emissions (12)	PM	1.04	0.73
		PM_{10}	0.29	0.20
		$PM_{2.5}$	0.05	0.03
7EAH	Economizer Ash Truck Loading Fugitive Emissions (12)	PM	1.96	0.28
		PM_{10}	0.54	0.08
		$PM_{2.5}$	0.09	0.01

Emission Sources - Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
PM - particulate matter suspended in the atmosphere, including PM_{10}.and $PM_{2.5}$.
PM_{10} - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
H_2SO_4 - sulfuric acid
NH_3 - ammonia
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
HCl - hydrogen chloride
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium
(4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 24-hour average.
(8) The hourly emission rate is based on a 3-hour average.
(9) The coal fired emission rates are based on the maximum 5,730 MMBtu/hr heat input allowed with coal as the only fuel.
(10) The coal and gas fired emission rates are based on the maximum 6,700 MMBtu/hr heat input allowed with coal plus additional heat input from natural gas.
(11) Emission rates of NO_x and NH_3 are authorized by Standard Permit No. 39729, issued March 24, 1999, with changes to permit representations dated December 22, 2006.
(12) Fugitive emission rates are an estimate and are enforceable through compliance with the applicable special conditions and permit application representations.

Date: June 29, 2012

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A Permit Is Hereby Issued To
NRG Texas Power LLC
Authorizing the Construction and Operation of
W. A. Parish Electric Generating Station Unit 8
Located at **Thompsons, Fort Bend County, Texas**
Latitude 29° 28′ 41″ Longitude 95° 38′ 08″

Permits: 7704 and PSDTX234M2

Revision Date : December 21, 2012

Renewal Date: January 24, 2021

For the Commission

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

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

Special Conditions

Permit Numbers 7704 and PSDTX234M2

Federal Applicability

1. The Pulverized Coal Boiler, identified as WA Parish Unit 8 and Emission Point Number (EPN) WAP8, shall comply with applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulations (40 CFR) Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Conditions, and Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978.

WA Parish Unit 8 Fuel Specifications, Operating Limitations, Performance Standards, and Construction Specifications

2. Fuels fired in WA Parish Unit 8 are limited to:

   A. low sulfur subbituminous coal;

   B. sweet natural gas as defined in Title 30 Texas Administrative Code (30 TAC) Chapter 101; and

   C. distillate oil.

   D. Use of any other fuel will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ).

3. WA Parish Unit 8

   A. WA Parish Unit 8 is limited to a maximum heat input which corresponds to an average electric generation rate of 660 megawatts (MW). Compliance with this condition shall be demonstrated by maintaining records of the hourly generation rate. Generation rates, on a three-hour average, at or below this rate comply with this condition. Any three-hour average value in excess of 660 MW shall be identified in the quarterly emission report. Demonstration of compliance with this condition shall also demonstrate compliance with the WA Parish Unit 8 emission limits on the attached table titled "Emission Sources - Maximum Allowable Emission Rates" for pollutants not monitored by continuous emission monitoring systems. Notwithstanding, the Executive Director of the TCEQ or his designated representative may also require sampling to directly measure the lb/hr emission rate, in which case the sampled lb/hr emission rate will be used to determine compliance with the applicable emission rate in the Maximum Allowable Emission Rate Table (MAERT).

   B. Within 180 days after start-up, testing shall be performed to confirm that the unit is operating within the specified maximum heat input. The TCEQ shall be provided a copy of the test results within 45 days. If the maximum heat input is higher than the limit established above, the holder of this permit will apply for a permit amendment.

4. Emissions of nitrogen oxides (NO_x) from EPN WAP8 shall comply with applicable requirements of 30 TAC Chapter 117. 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.

5. The wet limestone scrubber system shall operate with no less than 70 percent efficiency in removal of sulfur dioxide (SO_2) from the flue gas, with a 30-day averaging period, in accordance with 40 CFR § 60.43.

6. Opacity of emission from the steam generating unit must not exceed 10 percent as determined by EPA Reference Method 9 or by continuous opacity monitoring system (COMS) averaged over a six-minute period, except during periods of routine maintenance, start-up, or shutdown (MSS) or as otherwise allowed by law. During periods of MSS, the opacity shall not exceed 20 percent over a six-minute period. **(4/12)**

7. Stack sampling ports and platform(s) shall be constructed and maintained on EPN WAP8 as specified in the attachment entitled "Chapter 2, Stack Sampling Facilities," or an alternate design may be required at a later date if determined necessary by the TCEQ Regional Director in Houston.

8. The permit holder is authorized to emit from EPN SCRUB (authorized under Permit Numbers 98664, PSDTX1268, and N138) those emissions from EPN WAP8 that have been rerouted to EPN SCRUB from the existing Unit 8 duct work at a point upstream of the Unit 8 stack and downstream of the Unit 8 air quality control systems. The emissions from EPN WAP8 and EPN SCRUB shall not exceed the combined maximum allowable emission rates for those EPNs authorized under this permit and Permit Numbers 98664, PSDTX1268, and N138. **(12/12)**

Limestone and Scrubber Sludge Waste Material Handling – Design and Operating Specifications

9. Compliance with the permitted emission limits for EPNs LH1, LH1A, LH2, LH5, and LH6 is based upon maximum throughputs of 500 tons per hour and 52,000 tons per year of limestone, as measured by railcar and truck unloading records.

10. As determined by a certified opacity observer with delegation from the Executive Director of the TCEQ, opacity of emissions averaged over a six-minute period, and according to EPA Test Method (TM) 9 or equivalent shall not exceed from any limestone:

    A. screen or transfer point on belt conveyors - 10 percent; and

    B. crusher - 15 percent.

11. As determined by a trained observer with delegation from the Executive Director of the TCEQ, no visible fugitive emissions of limestone from the railcar unloading, crusher,

screens, transfer points on belt conveyors, material storage or feed bins, or stockpiles shall leave the property. Visible emissions shall be determined by EPA TM 22 or equivalent. If this condition is violated, additional controls or process changes may be required to limit visible PM emissions.

12. All fabric filter baghouses used to control limestone dust will operate with reverse air cleaning, shall be properly installed, and shall be maintained in good working condition. The baghouses shall not exceed 5 percent opacity averaged over a six-minute period when adjusted for uncombined water vapor.

13. The company has represented the following regarding limestone material handling to comply with all TCEQ rules and regulations:

    A. Permanently mounted spray nozzles shall be installed at the railcar unloading point and shall be operated to control visible emissions as needed.

    B. Plant roads used by limestone delivery trucks shall be paved with a cohesive hard surface which can be cleaned by sweeping or washing. All roads used for limestone delivery shall be sprinkled with water and/or environmentally sensitive chemicals as necessary to maintain compliance with all TCEQ rules and regulations.

    C. All limestone conveyors shall be enclosed. Emissions from Conveyor No. 1 shall be controlled by loading the stockpile using a telescopic chute, maintaining the stockpile covered, and an Underground Reclaim System (EPN LH2). Conveyor No. 2 feeds the limestone from the underground reclaim system to the crusher. The emissions from the crusher are vented to a Baghouse (EPN LH5). Conveyor No. 3 delivers the crushed limestone to the limestone storage silo. Emissions from the storage silo are controlled by a Baghouse (EPN LH6).

    D. The company will maintain all abatement systems in good working order and immediately make appropriate corrections and/or repairs to any facility equipment if Special Condition Nos. 10 or 11 cannot be met. All corrections and/or repairs shall be completed within five working days or the system involved shall not be operated.

14. As determined by a certified opacity observer with delegation from the Executive Director of the TCEQ and according to EPA TM 9 or equivalent, opacity of emissions from the pug mill scrubber stack, identified as EPN No. WH1, shall not exceed 20 percent, when adjusted for uncombined water vapor, averaged over a six-minute period, except for those times described in 40 CFR Part 60, Subpart A, § 60.11(c).

Stack Testing Demonstration of Compliance

15. If required by the Executive Director of the TCEQ, the holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and

quantities of air contaminants being emitted into the atmosphere from EPN WAP8. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

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

(1) The notice shall include:

(a) Date for pretest meeting.

(b) Date sampling will occur.

(c) Name of firm conducting sampling.

(d) Type of sampling equipment to be used.

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

(2) The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

(3) Prior to the pretest meeting, a written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ. The TCEQ Houston Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in B of this condition, for NSPS testing, or alternate or equivalent procedure proposals for NSPS testing which must have EPA approval, shall be submitted to the TCEQ Office of Air, Air Permits Division in Austin.

B. Air contaminants emitted from EPN WAP8 to be tested for include (but are not limited to) NO_x, carbon monoxide (CO), SO_2, volatile organic compounds, and particulate matter (PM) with a diameter of less than 10 microns.

C. Sampling shall occur as may be required by the Executive Director of the TCEQ. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval and requests shall be submitted to the TCEQ Air Permits Division.

D. WA Parish Unit 8 shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of a production rate shall be monitored and recorded during the stack test. These

parameters are to be determined at the pretest meeting. If the unit is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

E. Two copies of the final sampling report shall be forwarded to the TCEQ within 30 days after sampling is completed. Sampling reports shall comply with the attached conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

(1) One copy to the TCEQ Houston Regional Office.

(2) One copy to the TCEQ Air Permits Division.

Continuous Demonstration of Compliance

16. WA Parish Unit 8

A. The holder of this permit shall install, calibrate, operate, and maintain a continuous emissions monitoring system (CEMS) on the stacks of WA Parish Unit 8, EPN WAP8 and EPN SCRUB (authorized under Permit Numbers 98664, PSDTX1268, and N138), to measure and record the concentrations of NO_x, SO_2, and diluent (oxygen or carbon dioxide) according to the methods and procedures as set out in 40 CFR § 60.49Da. Reporting of monitoring data shall be in accordance with methods and procedures as set out in 40 CFR §§ 60.7 and 60.51Da. Compliance with the continuous emissions monitoring requirements above can be demonstrated by meeting the requirements of 40 CFR Part 75 provided that the holder of this permit demonstrates compliance with all applicable NSPS regulations. **(12/12)**

B. The continuous monitoring data shall also be used to determine compliance with the emission limitations in the attached MAERT.

Periodic Monitoring for Limestone and Scrubber Waste Material Handling Sources

17. Ongoing compliance with the opacity limits of Special Condition Nos. 10, 12, and 14, and the PM emission limits of the non-fugitive sources on the MAERT (except EPN WAP8) shall be demonstrated by observing for visible emissions and conditionally for opacity, while the facility is operating.

A. Observations for visible emissions using RM 22 from each source shall be made:

(1) monthly; and

(2) at least 15 feet but no more than 0.25 mile from the emission point.

B. Up to three emission points may be read concurrently, provided that each point read concurrently is within a 70 degree viewing sector or angle in front of the observer such that the proper sun position (at the observer's back) can be maintained for each point.

C. If visible emissions are observed from the source using RM 22, then either:

(1) within 24 hours, opacity shall be determined by 40 CFR Part 60, TM 9; or

(2) any visible emissions will be treated as exceeding the applicable opacity limit.

D. If opacity exceeds the applicable limit, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

E. For non-fugitive material handling sources, the Executive Director or his designated representative may also require sampling conducted in accordance with the methods and procedures specified in Special Condition No. 15 to directly measure the lb/hr emission rate, in which case the sampled lb/hr emission rate will be used to determine compliance with the applicable emission rate in the MAERT.

18. Ongoing compliance with Special Condition No. 11 and the fugitive source emission rates in the MAERT shall be demonstrated by observing each source monthly for visible emissions leaving the property using 40 CFR Part 60, TM 22.

A. The observation period when conducting TM 22 shall extend at least five minutes (unless visible emissions are observed, in which case the observer may stop the test and initiate action to correct the problem in accordance with C. of this Special Condition) during normal operations.

B. Contributions from uncombined water shall not be included in determining compliance.

C. If visible emissions are observed crossing the property line, then an evaluation of and identification of the source and cause of the visible emissions shall be conducted within 24 hours and documented. Corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation of the visible emissions.

Recordkeeping Requirements

19. Records shall be kept for at least five years rather than the two-year period specified in General Condition No. 7 on the permit face. The five-year record retention requirement

does not apply to records generated before December, 2010. The records shall reflect compliance with 30 TAC § 116.115(b)(2)(E) and shall include the following:

A. Daily and annual amounts of limestone unloaded by rail and truck;

B. Daily cleaning of roads used by the limestone delivery trucks; and

C. Records of all repair and maintenance of limestone dust abatement systems.

D. Records of monthly observations for visible emissions or opacity required by Special Condition Nos. 17 and 18.

E. The CEMS data of NO_x, SO_2, and diluent emissions from EPN WAP8 and EPN SCRUB to demonstrate compliance with the emission limits in the MAERT. **(12/12)**

F. Raw data files of all CEMS data including calibration checks, adjustments, and maintenance performed on these systems in a permanent form suitable for inspection. **(12/12)**

Consolidation by Reference of Related Authorizations

20. Boiler and economizer ash truck loading

A. The boiler stack hourly emission rates of NO_x, CO, and ammonia on the MAERT are authorized by Standard Permit Number 45779, issued March 29, 2001, with changes to permit representations dated December 22, 2006.

B. The economizer ash truck loading emissions on the MAERT are authorized by Standard Permit Number 45779, issued March 29, 2001.

Routine Maintenance, Startup, and Shutdown

21. This permit authorizes the emissions from the planned maintenance, startup, and shutdown (MSS) activities listed in Attachment A, Attachment B, or 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 MSS activities that are non-ILE planned maintenance activities that this permit authorizes to be performed. **(4/12)**

22. 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. **(4/12)**

23. The CO and NH_3 mass emissions limits in the MAERT attached to this permit that apply during planned MSS activities constitute alternative case specific specifications for the CO and NH_3 concentration limits in Title 30 Texas Administrative Code (30 TAC) Chapter 117.1210(b) during planned MSS activities. **(4/12)**

24. Emissions during planned startup and shutdown activities will be minimized by limiting the duration of operation in planned startup and shutdown mode as follows: **(4/12)**

    A. A planned startup of the electric generating facility (EGF), WA Parish Unit 8, is defined as the period that begins with initial fuel flow to the boiler and is complete when the boiler is released to dispatch. A planned startup event shall not exceed 2,880 minutes in duration. Extended startups lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended startups do not exceed 600 hours per unit per year.

    B. A planned shutdown of the EGF, WA Parish Unit 8, is defined as the period that commences when dispatched requests a shutdown due to market conditions, or when plant personnel request a shutdown for maintenance and ends when fuel is no longer fired. A planned shutdown event shall not exceed 2,880 minutes in duration. Extended shutdowns lasting longer than 2,880 minutes in duration are allowed provided the total hours of extended shutdowns do not exceed 600 hours per unit per year.

25. 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. **(4/12)**

26. 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. **(4/12)**

27. Vacuum trucks that are used to move liquids with a vapor pressure greater than 0.5 psia during planned maintenance activities shall utilize submerged loading. **(4/12)**

28. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows. **(4/12)**

    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 MSS activities (See Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 29A, the permit holder shall compare the pollutant's short-term (hourly) emissions during planned MSS activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

C. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions occur through a stack, but are not measured using CEMS as per Special Condition No. 29A, the permit holder shall determine the total emissions of the pollutant through the stack that result from such non-ILE planned MSS activities in accordance with Special Condition No. 29B.

D. For each pollutant emitted during non-ILE planned MSS activities (See Attachment B) whose emissions do not occur through a stack, the permit holder shall do the following for each calendar month.

(1) Determine the total emissions of the pollutant from such non-ILE planned MSS activities in accordance with Special Condition No. 29B.

(2) Once monthly emissions have been determined in accordance with Special Condition No. 28D(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall compare the sum of the rolling 12-month emissions, for the pollutant for all non-ILE planned MSS activities and the annual potential to emit for the pollutant from all ILE planned MSS activities (as referenced in Special Condition 28A), to the annual emissions limit for the pollutant in the MAERT.

29. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 28 as follows. **(4/12)**

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. 29A, 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 4 below, provided that the permit holder maintains appropriate records supporting such determination:

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

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

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

(4) Use of parametric monitoring system (PEMS) data applicable to the facility.

30. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until 180 days after issuance of the permit amendment that added such conditions. **(4/12)**

Permits by Rule and Standard Permits

31. The following maintenance activities at the site are currently authorized by permits by rule (PBR) under 30 TAC Chapter 106 or PBR predecessor standard exemptions (SE) to 30 TAC Chapter 116. This list is not intended to be all inclusive and can be altered at the site without modification to this permit. The standard permit identified below was issued under 30 TAC Chapter 116. **(4/12)**

Description	PBR, SE, Standard Permit No.
Comfort Heating System Maintenance and Repair	SE 003, 106.102
Bench Scale laboratory Equipment	SE 034, 106.122
Brazing, Soldering, and Welding	SE 039, 106.227
Enclosed and Outdoor Dry Abrasive Blasting	106.263
Miscellaneous Surface Coating	106.263
Hand-Held Equipment for Buffing, Polishing, Cutting, Drilling, Sawing, Grinding, Turning, or Machining Wood, Metal or Plastic	SE 040, 106.265
Refrigeration System maintenance and Repair	SE 103, 106.373
Solvent Cleaning-Parts Degreaser	SE 107, 106.454

Description	PBR, SE, Standard Permit No.
Portable Engines	SE 005, 106.511
Water and Wastewater Treatment	SE 061, 106.532
Standard Permit for Pollution Controls	45779

Date: December 21, 2012

Attachment A

Permit Numbers 7704 and PSDTX234M2

Inherently Low Emitting (ILE) Planned Maintenance Activities

Planned Maintenance Activity	Emissions					
	NH_3/ Urea	VOC	NO_x	CO	PM	SO_2
Water-based washing	X					
Miscellaneous particulate filter maintenance[1]	X					
Catalyst handling and maintenance	X					
Maintenance of storage vessels storing material with vapor pressure <0.5 psia	X	X				
Boiler general maintenance[2]	X					
Gaseous fuel venting (pipe length < 100 feet)	X					
Management of sludge from pits, ponds, sumps, and water conveyances[3]	X					
Organic chemical usage, not covered by "manual surface coating or solvent cleaning operations" or by "use and disposal of aerosol products"	X					
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS, PEMS	X	X	X	X		
Deslagging of boiler[4]	X	X	X	X		
Material handling system maintenance[5]	X					
Small equipment and fugitive component repair/replacement in VOC and inorganic service[6]	X	X				

Notes:

1. Includes, but is not limited to, baghouse filters, ash silo/transfer filters, coal handling filters, process-related building air filters, and combustion turbine air intake filters.
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. Includes, but is not limited to, management by vacuum truck/dewatering of materials in open pits and ponds, and sumps, tanks and other closed or open vessels. Materials managed include water and sludge mixtures containing miscellaneous VOCs such as diesel, lube oil, and other waste oils.
4. Includes, but is not limited to, explosive blasting, clinker shooting, and other boiler deslagging activities; does not include dry abrasive blasting that may occur in boilers.
5. Material handling system equipment includes, but is not limited to, silos, transport systems, coal bunkers, coal crushing equipment, coal handling, nuvafeeders, hoppers,

FGD sludge handling system. Materials handled include coal, ash, limestone, gypsum, mercury, and sorbents.

6. Includes, but is not limited to, (i) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters and screens in natural gas, fuel oil, diesel oil, ammonia, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NOx control device maintenance (including maintenance of the anhydrous ammonia systems and aqueous ammonia systems associated with SCR systems and SNCR systems)

Date: April 30, 2012

Attachment B

Permit Numbers 7704 and PSDTX234M2

Non-Inherently Low Emitting Planned MSS Activities

Planned Maintenance Activity	EPN	Emissions					
		NH_3/ Urea	VOC	NO_X	CO	PM	SO_2
Combustion optimization[1]	WAP8	X	X	X	X	X	
Vacuum truck solids loading[2] and unloading	MSSFUG[5]	X					
NO_x control device maintenance - unit online	WAP8	X	X				
PM control device maintenance - unit online	WAP8	X					
Flue gas conditioning system maintenance fugitives - unit offline[3]	MSSFUG[5]	X	X				
Maintenance of storage vessels storing gasoline or other material with vapor pressure >0.5 psia that does not require clearing of the vessels to allow for entry of personnel	MSSFUG[5]	X	X				
Gaseous fuel venting (pipe length > 100 feet)	MSSFUG[5]	X					
Portable small engines[4]	MSSFUG[5]	X	X	X	X	X	
Use of fans during maintenance - unit offline	WAP8	X					
Main unit Planned Startup and Planned Shutdown	WAP8	X	X	X	X	X	X

Notes:

1. Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), (ii) balancing, and (iii) tuning activities that occur during seasonal tuning or after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances.
2. Includes site-wide solids vacuuming operations (e.g., SCR, baghouse, ESP, ducts, furnace, loop seals, stripper coolers, and airlocks).
3. Includes, but is not limited to, maintenance of anhydrous ammonia systems and aqueous ammonia systems used to condition flue gas before it is controlled by a PM control device.
4. Includes engines used onsite for longer than twelve consecutive months.

5. Emission point MSSFUG represents permitted site-wide MSS fugitive emissions. MSSFUG emissions are quantified in the maximum allowable emissions rate table in Permit No. 7704 and PSDTX234M2.

Date: April 30, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 7704 and PSDTX234M2

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour (4), (5)	TPY (4), (6)
WAP8	WA Parish Unit No. 8 Pulverized Coal Boiler Stack (6,700 MMBtu/hr)	NO_x (7), (8)	2,000	7,008
		SO_2 (9)	2,063	4,081
		CO (8)	2,010	4,402
		VOC	20.1	53
		PM	172	639
		PM_{10}	172	639
		H_2SO_4	10.1	40
		NH_3 (8)	44.3	194
		Pb	0.33	0.13
		HF	34	29.3
		As	0.12	0.05
		Be	0.025	0.02
		Cd	0.04	0.04
		Cl	5.06	20
		Cr	0.13	0.17
		Hg	0.30	0.24
		Mn	0.11	0.44
		Ni	0.32	0.25
		Se	0.51	0.11

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour (4), (5)	TPY (4), (6)
WAP8 and SCRUB (20)	WA Parish Unit No. 8 Pulverized Coal Boiler Stack and Rerouted Exhaust Vent Stream Stack	SO_2 (9)	1,370	4,081 (14)
		SO_2 (9)	1,370	3,981 (15)
		SO_2 (9)	1,370	3,881 (16)
		SO_2 (9)	1,370	3,781 (17)
		SO_2 (9)	1,370	3,681 (18)
		NO_x	1,260	6,307 (19)
MCT8	Cooling Tower (10)	PM	0.95	4.1
		PM_{10}	0.95	4.1
LH1	Railcar Unloading to Track Hopper Limestone Fugitives (11)	PM	30	1.6
		PM_{10}	15	0.8
LH1A	Track Hopper Feed to Conveyor #1 Limestone Fugitives (11)	PM	0.54	0.05
		PM_{10}	0.26	0.02
LH2	Limestone Stockpile (11)	PM	0.0030	0.13
		PM_{10}	0.0015	0.06
LH5	Limestone Stockpile Reclaim, Conveyor #2, and Crusher Baghouse	PM_{10}	2.1	1.1
LH6	Limestone Storage Silo Baghouse	PM_{10}	0.39	0.20
WH1	Pug Mill Scrubber Stack (Wet Venturi Dust Collector) (12)	PM	1.7	1.4
		PM_{10}	1.7	1.4
WH2	Fly Ash Feed Tank Baghouse - Stack (12)	PM	0.43	0.25
		PM_{10}	0.43	0.25

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour (4), (5)	TPY (4), (6)
WH3	Radial Conveyor / Stack out of Scrubber Sludge/Fly Ash Blend (11), (12)	PM	0.03	0.02
		PM_{10}	0.014	0.01
WH4	Stabilized Sludge Storage Pile (11), (12)	PM	0.20	0.87
		PM_{10}	0.10	0.41
8EA	Economizer Ash Truck Loading (12), (13)	PM	0.62	0.03
MSSFUG	Miscellaneous Site-Wide Maintenance Activities	SO_2	0.02	0.01
		NH_3	7.67	1.08
		CO	0.12	0.05
		NO_x	0.32	0.16
		VOC	75.97	4.74
		PM	14.80	4.97
		PM_{10}	3.55	2.47
		$PM_{2.5}$	3.37	1.23

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) NO_x - total oxides of nitrogen
NH_3 - ammonia
SO_2 - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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 PM2.5, as represented. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
H_2SO_4 - sulfuric acid
Pb - lead
HF - hydrogen fluoride
As - arsenic
Be - beryllium
Cd - cadmium
Cl - chlorine
Cr - chromium
Hg - mercury
Mn - manganese
Ni - nickel
Se - selenium
(4) The pound per hour (lb/hr) and ton per year (tpy) emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
(5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(6) Compliance with annual emission limits is based on a rolling 12-month period.
(7) The hourly emission rate is based on a 30-day rolling average.
(8) Hourly emission rates of NO_x, CO, and NH_3 are those authorized by Standard Permit Number 45779, issued March 29, 2001, with changes to permit representations dated December 22, 2006.
(9) The hourly emission rate is based on a three-hour averaging period.
(10) Cooling tower emissions are authorized by 30 TAC 106.371.
(11) Fugitive emissions are an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and representations in the permit application.
(12) Scrubber sludge waste handling emission limits are based on, and the facilities are limited by, the following production rates:

Pug Mills A or B	-	200 tons/hour
Fly Ash Silo	-	75 tons/hour
Radial Stacker Conveyor	-	200 tons/hour
Economizer Ash Silo/Tank	-	11.2 tons/day

Emission Sources - Maximum Allowable Emission Rates

(13) Economizer ash truck loading emissions are authorized by Standard Permit Number 45779.
(14) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 0 - 500 hours in a rolling 12-month period. **(12/12)**
(15) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 501 - 2000 hours in a rolling 12-month period. **(12/12)**
(16) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 2001 - 4000 hours in a rolling 12-month period. **(12/12)**
(17) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 4001 - 6000 hours in a rolling 12-month period. **(12/12)**
(18) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber (EPN SCRUB) operates 6001 - 8760 hours in a rolling 12-month period. **(12/12)**
(19) Combined (EPNs WAP8 and SCRUB) annual emission limit when the enhanced scrubber operates during a rolling 12-month period. **(12/12)**
(20) EPN SCRUB is authorized under Permit Numbers 98664, PSDTX1268, and N138. **(12/12)**

Date: December 21, 2012