FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
WestRock Texas, LP

AUTHORIZING THE OPERATION OF
Evadale Mill
Paperboard Mills

LOCATED AT
Jasper County, Texas
Latitude 30° 20′ 42″ Longitude 94° 3′ 52″
Regulated Entity Number: RN102157609

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 and emission units listed in this permit. Operations of the site and emission units 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 and emission units 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 and emission units.

Permit No: O1265 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:

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

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

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

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

    E. Emission units subject to 40 CFR Part 63, Subparts S, MM, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, § 113.240, § 113.440, § 113.1090, and § 113.1130 which incorporates the 40 CFR Part 63 Subparts by reference.

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

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

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

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

(iv) Title 30 TAC § 101.378 (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 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. 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 § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

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

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

A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 100,000 gallons of gasoline in any calendar month after October 31, 2014, 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 following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 61.05 (relating to Prohibited Activities)

B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)

F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)

G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)

H. Title 40 CFR § 61.15 (relating to Modification)

I. Title 40 CFR § 61.19 (relating to Circumvention)

7. For the National Emissions Standards for Asbestos specified in 40 CFR Part 61, Subpart M, the permit holder shall comply with the following requirements:

A. For insulating materials other than spray-applied: Title 40 CFR § 61.148 (relating to Standards for Insulating Materials), for installation and reinstallation of asbestos-containing insulation).

8. 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.

9. For pulp and paper manufacturing facilities subject to hazardous air pollutant emission standards in 40 CFR Part 63, Subpart S, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.240 incorporated by reference):

A. Title 40 CFR § 63.440(d) (relating to Applicability), for applicable compliance dates

B. Title 40 CFR § 63.440(d)(1) (relating to Applicability), for compliance dates applicable to kraft pulping systems

10. For the individual drain systems specified in 40 CFR Part 63, Subpart RR, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.490 incorporated by reference):

A. Title 40 CFR § 63.962(a), (a)(1), (a)(2), (a)(3)(i) - (ii), (b)(1), (b)(2), (b)(2)(i)(A) - (B), (b)(2)(ii), (b)(3)(i), (b)(3)(ii)(A), (b)(3)(ii)(B)(1) - (3), (b)(4), and (b)(5)(i) - (iii) (relating to Standards)

B. Title 40 CFR § 63.964(a)(1)(i)(A) - (B), (a)(1)(ii) - (iv), (a)(2), (b)(1) - (2) (relating to Inspection and Monitoring Requirements)

C. Title 40 CFR § 63.965(a), (a)(1) - (3), (b) (relating to Recordkeeping Requirements)

D. Title 40 CFR § 63.966 (relating to Reporting Requirements)

11. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

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

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

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

C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

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

E. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture

system is not working properly, the permit holder shall promptly take necessary corrective action:

(i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or

(ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.

F. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any bypass of the control device subject to CAM. If the results of the following inspections or monitoring indicate bypass of the control device, the permit holder shall promptly take necessary corrective actions and report a deviation:

(i) Install a flow indicator that is capable of recording flow, at least once every fifteen minutes, immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

(ii) Once a year, the permit holder shall inspect the valves; by checking the position, and the condition of the valves. The permit holder shall identify all times when the valve position has been changed to allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere.

G. 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.

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

New Source Review Authorization Requirements

14. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated December 20, 2024 in the application for project 37528), 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

15. 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.

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

Compliance Requirements

17. 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.

18. 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)

Risk Management Plan

19. 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

20. 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.

Alternative Requirements

21. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

22. 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)

23. 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.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
13	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
19-2021	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
19-2021	KRAFT PULP MILLS	N/A	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
19-2021	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
19-2025	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
19-2025	KRAFT PULP MILLS	N/A	REG2-01	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
19-2025	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
19-2032	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
19-2032	KRAFT PULP MILLS	N/A	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
19-2032	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
19-2033	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
19-2033	KRAFT PULP MILLS	N/A	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
19-2033	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
19-2098	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
19-2098	KRAFT PULP MILLS	N/A	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
19-2098	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-01	40 CFR Part 60, Subpart Db	No changing attributes.
19-2098	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
1K-DRIV	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
21-2069	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
21-2069	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-01A	40 CFR Part 60, Subpart Db	No changing attributes.
21-2069	INCINERATOR	N/A	61E-01	40 CFR Part 61, Subpart E	No changing attributes.
21-2069	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
21-2081	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Db-01	40 CFR Part 60, Subpart Db	No changing attributes.
21-2081	BOILERS/STEAM	N/A	63DDDDD-01	40 CFR Part 63, Subpart	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	GENERATORS/STEAM GENERATING UNITS			DDDDD	
21-2105	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
21-2105	INCINERATOR	N/A	61E-01	40 CFR Part 61, Subpart E	No changing attributes.
21-2105	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
24-2082	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
24-2082	KRAFT PULP MILLS	N/A	60BB-01	40 CFR Part 60, Subpart BB	Fuel Type = Gaseous fossil fuel.
24-2082	KRAFT PULP MILLS	N/A	60BB-02	40 CFR Part 60, Subpart BB	Fuel Type = Liquid fossil fuel.
24-2082	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
24-2154	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
24-2154	KRAFT PULP MILLS	N/A	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
24-2154	KRAFT PULP MILLS	N/A	63MM-01	40 CFR Part 63, Subpart MM	No changing attributes.
26	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	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
30-2602	STORAGE TANKS/VESSELS	N/A	60Kb-01	40 CFR Part 60, Subpart Kb	No changing attributes.
4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
43	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
50	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
51	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
5B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
7	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
7K-DRIV	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
7M-DRIV	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DF-PMP1	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
DF-PMP1	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
DF-PMP2	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DF-PMP2	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GEN1	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPDIG1	KRAFT PULP MILLS	40-2002, 50-2002	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
GRPDIG2	KRAFT PULP MILLS	40-0105, 40-2003, 40-2006, 40-2014, 40-2023, 40-2024, 40-2192, 40-2361, 40-2362, 40-2377, 50-0405, 50-2003, 50-2006, 50-2014, 50-2023, 50-2024, 50-2055, 50-2056, 50-2057, 50-2058, 50-2059, 50-2060, 50-2061, 50-2192	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
GRPEV1	KRAFT PULP MILLS	19-2022, 19-2023, 19-2041, 19-2048, 19-2049, 19-2053, 26-2002	60BB-01	40 CFR Part 60, Subpart BB	No changing attributes.
LF-FUG	MSW / WASTE DISPOSAL SITE	N/A	61M-01	40 CFR Part 61, Subpart M	No changing attributes.
PROKRAFT	PULP PAPER PAPERBOARD PRODUCING PROCESS	N/A	63S-03	40 CFR Part 63, Subpart S	Flow Indicator = A flow indicator is installed to monitor the by-pass line.
PROKRAFT	PULP PAPER PAPERBOARD PRODUCING PROCESS	N/A	63S-04	40 CFR Part 63, Subpart S	Flow Indicator = A car-seal or lock-and-key closure is used to control the by-pass line.
WW-PMP1	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
WW-PMP1	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
WW-PMP2	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
WW-PMP2	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
1	EP	R1111-01	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
13	EP	R1111-01	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
19-2021	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
19-2021	EU	60BB-01	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(1)(i)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from recovery furnaces gases containing PM in excess of 0.044 gr/dscf corrected to 8% oxygen.	§ 60.285(a) § 60.285(b) § 60.285(b)(1) § 60.285(b)(2) § 60.285(f)(1) ** See CAM Summary	None	None
19-2021	EU	60BB-01	PM (Opacity)	40 CFR Part 60, Subpart BB	§ 60.282(a)(1)(ii)	On and after the performance test completion no owner/operator shall	§ 60.284(a) § 60.284(a)(1) § 60.284(d) § 60.284(d)(1)(ii)	§ 60.284(a)(1)	§ 60.284(d) § 60.284(d)(1)(ii)

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)
						discharge to the atmosphere from recovery furnaces gases exhibiting 35% opacity or greater.	[G]§ 60.284(e) § 60.284(f) § 60.285(a) § 60.285(b) § 60.285(b)(3)		
19-2021	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(2)	On and after the performance test completion, no owner/operator shall discharge to the atmosphere from straight kraft recovery furnaces gases with TRS over 5 ppmv dry basis, corrected to 8% O2.	§ 60.284(a) [G]§ 60.284(a)(2) § 60.284(c)(1) § 60.284(c)(2) § 60.284(c)(3) § 60.284(d) § 60.284(d)(1)(i) [G]§ 60.284(e) § 60.284(f) § 60.285(a) § 60.285(d)(1) § 60.285(d)(2) § 60.285(d)(3) § 60.285(f)(2)	[G]§ 60.284(a)(2) § 60.284(c)(1) § 60.284(c)(2) § 60.284(c)(3)	§ 60.284(d) § 60.284(d)(1)(i)
19-2021	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(A) § 63.864(k)(1) § 63.864(k)(1)(i) § 63.864(k)(2) § 63.864(k)(2)(i) § 63.864(k)(3)	Each existing kraft or soda recovery furnace must have concentration of PM in the exhaust gases discharged to the atmosphere be less than or equal to 0.10 g/dscm corrected to 8% oxygen.	§ 63.864(d) § 63.864(d)(3) § 63.864(d)(4) § 63.864(k)(1) § 63.864(k)(1)(i) § 63.864(k)(2) § 63.864(k)(2)(i) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.864(d)(3) § 63.864(d)(4) § 63.866(a) [G]§ 63.866(a)(2) § 63.866(b) § 63.866(c) § 63.866(c)(1) § 63.866(c)(3) § 63.866(c)(4)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(b)(3)(iv) § 63.867(c) § 63.867(c)(1)
19-2025	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits	** 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)
						for Steam Generators).			
19-2025	EU	REG2-01	TRS	30 TAC Chapter 112, Sulfur Compounds	§ 112.51(b)(4)	Smelt dissolving tanks shall not exceed 0.033 lb/ton black liquor solids as H2S (0.016 gram/kilogram black liquor solids as H2S).	§ 112.51(c) § 112.55 [G]§ 112.57(a) [G]§ 112.57(b) [G]§ 112.57(c)	[G]§ 112.57(c)	§ 112.59
19-2025	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(B) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3)	Each existing kraft or soda smelt dissolving tanks must have concentration of PM in the exhaust gases discharged to the atmosphere be less than or equal to 0.10 kg/Mg of black liquor solids fired.	§ 63.864(e)(10) § 63.864(e)(10)(i) § 63.864(e)(10)(ii) [G]§ 63.864(j) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.864(e)(10) § 63.866(a) [G]§ 63.866(a)(1) [G]§ 63.866(a)(2) § 63.866(b) § 63.866(c) § 63.866(c)(3) § 63.866(c)(4) § 63.866(c)(5)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(b)(3)(iii) § 63.867(c) § 63.867(c)(1)
19-2032	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
19-2032	EU	60BB-01	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(2)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from smelt dissolving tanks gases containing PM > 0.1 g/kg black liquor solids (dry weight).	§ 60.285(a) [G]§ 60.285(c) § 60.285(f)(1) ** 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)
19-2032	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(4)	On and after the performance test completion, no owner/operator shall discharge to the atmosphere from smelt dissolving tanks gases with TRS over 0.016 g/kg black liquor solids as H2S.	§ ** See Alternative Requirement § 60.284(b) [G]§ 60.284(b)(2) § 60.284(c)(4) § 60.284(f) § 60.285(a) [G]§ 60.285(e) § 60.285(f)(2)	§ 60.284(c)(4)	None
19-2032	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(B) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3)	Each existing kraft or soda smelt dissolving tanks must have concentration of PM in the exhaust gases discharged to the atmosphere be less than or equal to 0.10 kg/Mg of black liquor solids fired.	§ 63.864(e)(10) § 63.864(e)(10)(i) § 63.864(e)(10)(ii) [G]§ 63.864(j) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.864(e)(10) § 63.866(a) [G]§ 63.866(a)(1) [G]§ 63.866(a)(2) § 63.866(b) § 63.866(c) § 63.866(c)(3) § 63.866(c)(4) § 63.866(c)(5)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(b)(3)(iii) § 63.867(c) § 63.867(c)(1)
19-2033	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
19-2033	EU	60BB-01	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(2)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from smelt dissolving tanks gases containing PM > 0.1 g/kg	§ 60.285(a) [G]§ 60.285(c) § 60.285(f)(1) ** 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)
						black liquor solids (dry weight).			
19-2033	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(4)	On and after the performance test completion, no owner/operator shall discharge to the atmosphere from smelt dissolving tanks gases with TRS over 0.016 g/kg black liquor solids as H2S.	§ ** See Alternative Requirement § 60.284(b) [G]§ 60.284(b)(2) § 60.284(c)(4) § 60.284(f) § 60.285(a) [G]§ 60.285(e) § 60.285(f)(2)	§ 60.284(c)(4)	None
19-2033	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(B) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3)	Each existing kraft or soda smelt dissolving tanks must have concentration of PM in the exhaust gases discharged to the atmosphere be less than or equal to 0.10 kg/Mg of black liquor solids fired.	§ 63.864(e)(10) § 63.864(e)(10)(i) § 63.864(e)(10)(ii) [G]§ 63.864(j) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.864(e)(10) § 63.866(a) [G]§ 63.866(a)(1) [G]§ 63.866(a)(2) § 63.866(b) § 63.866(c) § 63.866(c)(3) § 63.866(c)(4) § 63.866(c)(5)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(b)(3)(iii) § 63.867(c) § 63.867(c)(1)
19-2098	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
19-2098	EU	60BB-01	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(1)(i)	On and after the performance test completion no owner/operator shall discharge to the	§ 60.285(a) § 60.285(b) § 60.285(b)(1) § 60.285(b)(2) § 60.285(f)(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)
						atmosphere from recovery furnaces gases containing PM in excess of 0.044 gr/dscf corrected to 8% oxygen.	** See CAM Summary		
19-2098	EU	60BB-01	PM (Opacity)	40 CFR Part 60, Subpart BB	§ 60.282(a)(1)(ii)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from recovery furnaces gases exhibiting 35% opacity or greater.	§ 60.284(a) § 60.284(a)(1) § 60.284(d) § 60.284(d)(1)(ii) [G]§ 60.284(e) § 60.284(f) § 60.285(a) § 60.285(b) § 60.285(b)(3)	§ 60.284(a)(1)	§ 60.284(d) § 60.284(d)(1)(ii)
19-2098	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(2)	On and after the performance test completion, no owner/operator shall discharge to the atmosphere from straight kraft recovery furnaces gases with TRS over 5 ppmv dry basis, corrected to 8% O2.	§ 60.284(a) [G]§ 60.284(a)(2) § 60.284(c)(1) § 60.284(c)(2) § 60.284(c)(3) § 60.284(d) § 60.284(d)(1)(i) [G]§ 60.284(e) § 60.284(f) § 60.285(a) § 60.285(d)(1) § 60.285(d)(2) § 60.285(d)(3) § 60.285(f)(2)	[G]§ 60.284(a)(2) § 60.284(c)(1) § 60.284(c)(2) § 60.284(c)(3)	§ 60.284(d) § 60.284(d)(1)(i)
19-2098	EU	60Db-01	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of	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)
						greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).			
19-2098	EU	60Db-01	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
19-2098	EU	60Db-01	SO_2	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
19-2098	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(A) § 63.864(k)(1) § 63.864(k)(1)(i) § 63.864(k)(2) § 63.864(k)(2)(i) § 63.864(k)(3)	Each existing kraft or soda recovery furnace must have concentration of PM in the exhaust gases discharged to the atmosphere be less than or equal to 0.10	§ 63.864(d) § 63.864(d)(3) § 63.864(d)(4) § 63.864(k)(1) § 63.864(k)(1)(i) § 63.864(k)(2)	§ 63.864(d)(3) § 63.864(d)(4) § 63.866(a) [G]§ 63.866(a)(2) § 63.866(b) § 63.866(c)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(b)(3)(iv) § 63.867(c) § 63.867(c)(1)

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/dscm corrected to 8% oxygen.	§ 63.864(k)(2)(i) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.866(c)(1) § 63.866(c)(3) § 63.866(c)(4)	
1K-DRIV	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.2 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i)	For each existing non-emergency, non-black start stationary CI RICE with a site rating less than 100 HP, located at a major source, you must comply with the requirements as specified in Table 2c.2.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
21-2069	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
21-2069	EU	60Db-01A	NO_X	40 CFR Part 60, Subpart Db	§ 60.44b(d) § 60.44b(h) § 60.44b(i) § 60.46b(a)	After the §60.8 performance test is completed, no facility simultaneously combusting natural gas and/or distillate oil with a potential SO2 emissions rate of 26 ng/J (0.060 lb/MMBtu) or less with wood, MSW, or other solid fuel, except coal, shall discharge NOx in excess of 130 ng/J (0.30 lb/MMBtu) heat input unless the facility has an annual capacity factor for those fuels, or a mixture of those fuels of 0.10 or less and has a	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(2) § 60.49b(a)(3) § 60.49b(b) § 60.49b(i) § 60.49b(v) § 60.49b(w)

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)
						federally enforceable limit for those fuels of 0.10 or less.			
21-2069	EU	60Db-01A	PM	40 CFR Part 60, Subpart Db	§ 60.43b(h)(4) § 60.43b(e) § 60.43b(g) § 60.46b(a)	On and after the §60.8 performance test is completed, no facility for which, modification began after February 28, 2005, and that combusts over 30 percent wood (by heat input) on an annual basis and has a maximum heat input capacity greater than 73 MW (250 MMBtu/h) shall discharge PM in excess of 37 ng/J (0.085 lb/MMBtu) heat input.	§ 60.46b(b) § 60.46b(d) § 60.46b(d)(1) [G]§ 60.46b(d)(2) § 60.46b(d)(3) § 60.46b(d)(4) § 60.46b(d)(5) [G]§ 60.46b(d)(6) ** See CAM Summary	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
21-2069	EU	60Db-01A	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.43b(f) § 60.43b(g) § 60.46b(a) § 60.48b(l)	On and after the §60.8 performance test is completed, no affected facility that combusts coal, oil, wood, or mixtures of these fuels with any other fuels shall discharge any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. An affected facility using a CEMS for measuring PM and subject to a federally enforceable PM limit of 0.030 lb/MMBtu or less is exempt from the opacity standard in §60.43b(f).	§ 60.46b(d) § 60.46b(d)(7) § 60.48b(l) ** See Alternative Requirement	§ 60.48b(a) [G]§ 60.48b(j) [G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(v) § 60.49b(w)
21-2069	EU	60Db-01A	SO_2	40 CFR Part 60,	§ 60.42b(k)(2)	On and after the §60.8	§ 60.47b(f)	§ 60.45b(k)	§ 60.49b(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)
				Subpart Db		performance test is completed, units constructed, reconstructed, or modified after February 28, 2005, firing only very low sulfur oil, gaseous fuel, a mixture of these fuels, or a mixture of these fuels with any other fuels with a potential SO2 emission rate of 140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the SO2 emissions limit in §60.42b(k)(1).	** See Alternative Requirement	§ 60.49b(o) § 60.49b(r) [G]§ 60.49b(r)(2)	§ 60.49b(a)(1) § 60.49b(r) [G]§ 60.49b(r)(2)
21-2069	EU	61E-01	Mercury	40 CFR Part 61, Subpart E	§ 61.52(b) § 61.54(e)	Emissions from sludge incineration plants, sludge drying plants, or a combination of these that process wastewater treatment plant sludges shall not exceed 3.2 kg (7.1 lb) of mercury per 24-hour period.	[G]§ 61.54(a) [G]§ 61.54(c) § 61.54(d) § 61.54(f)	§ 61.54(g)	§ 61.54(b) § 61.54(e) § 61.54(f)
21-2069	EU	63DDDDD-01	PM	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 2.13.b § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.3 [G]§ 63.7500(a)(1)-Table 3.5 § 63.7500(a)(1)-Table 3.6 § 63.7500(a)(2) § 63.7500(a)(2)-Table 4.7 § 63.7500(a)(3) § 63.7500(f)	For existing hybrid suspension grate units with heat input capacity of 10 million Btu per hour or greater designed to burn biomass/bio-based solids, filterable particulate matter shall not exceed 0.44 lb per MMBtu heat input, using specified sampling volume or test run duration.	§ 63.7505(c) § 63.7505(d) [G]§ 63.7505(d)(1) [G]§ 63.7505(d)(2) § 63.7505(d)(3) § 63.7505(d)(4) § 63.7510(e) § 63.7510(h) § 63.7510(j) § 63.7510(k) § 63.7515(g) [G]§ 63.7525(d) § 63.7530(a) § 63.7530(b)	§ 63.7535(a) § 63.7535(b) § 63.7535(c) § 63.7535(d) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) [G]§ 63.7555(b) § 63.7555(c) [G]§ 63.7555(d) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7515(f) § 63.7530(e) § 63.7530(f) § 63.7540(b) § 63.7540(d) § 63.7545(a) § 63.7545(b) § 63.7545(c) § 63.7545(d) [G]§ 63.7545(e) [G]§ 63.7545(h) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(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)
					§ 63.7505(a) § 63.7505(d) [G]§ 63.7505(d)(1) § 63.7505(e) § 63.7530(h) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13) § 63.7540(a)(9) § 63.7540(d)		§ 63.7530(b)(4) [G]§ 63.7530(b)(4)(ii) § 63.7535(a) § 63.7535(b) § 63.7535(c) § 63.7535(d) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) [G]§ 63.7540(a)(18) § 63.7540(a)(9)		[G]§ 63.7550(e) [G]§ 63.7550(h)
21-2081	EU	60Db-01	NO_X	40 CFR Part 60, Subpart Db	§ 60.44b(a)(1)(i) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Except as provided in §60.44b(k) and (l), on and after the §60.8 performance test is completed, no facility that combusts low heat release rate natural gas and distillate oil (except §60.44b(a)(4)) shall discharge NOx in excess of 43 ng/J heat input (0.10 lb/MMBtu).	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
21-2081	EU	60Db-01	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
21-2081	EU	60Db-01	PM	40 CFR Part 60,	§ 60.40b(a)	The affected facility to which	None	[G]§ 60.49b(d)	§ 60.49b(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)
			(Opacity)	Subpart Db		this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).		§ 60.49b(o)	§ 60.49b(a)(1) § 60.49b(a)(3)
21-2081	EU	60Db-01	SO_2	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
21-2081	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(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)
						Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.			[G]§ 63.7550(h)
21-2105	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
21-2105	EU	61E-01	Mercury	40 CFR Part 61, Subpart E	§ 61.52(b) § 61.54(e)	Emissions from sludge incineration plants, sludge drying plants, or a combination of these that process wastewater treatment plant sludges shall not exceed 3.2 kg (7.1 lb) of mercury per 24-hour period.	[G]§ 61.54(a) [G]§ 61.54(c) § 61.54(d) § 61.54(f)	§ 61.54(g)	§ 61.54(b) § 61.54(e) § 61.54(f)
21-2105	EU	63DDDDD-01	PM	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 2.13.b § 63.7500(a)(1) § 63.7500(a)(1)-Table 3.3 [G]§ 63.7500(a)(1)-Table 3.5 § 63.7500(a)(1)-Table 3.6 § 63.7500(a)(2) § 63.7500(a)(2)-Table 4.7 § 63.7500(a)(3) § 63.7500(f) § 63.7505(a)	For existing hybrid suspension grate units with heat input capacity of 10 million Btu per hour or greater designed to burn biomass/bio-based solids, filterable particulate matter shall not exceed 0.44 lb per MMBtu heat input, using specified sampling volume or test run duration.	§ 63.7505(c) § 63.7505(d) [G]§ 63.7505(d)(1) [G]§ 63.7505(d)(2) § 63.7505(d)(3) § 63.7505(d)(4) § 63.7510(e) § 63.7510(h) § 63.7510(j) § 63.7510(k) § 63.7515(g) [G]§ 63.7525(d) § 63.7530(a) § 63.7530(b) § 63.7530(b)(4)	§ 63.7535(a) § 63.7535(b) § 63.7535(c) § 63.7535(d) § 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) [G]§ 63.7555(b) § 63.7555(c) [G]§ 63.7555(d) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7515(f) § 63.7530(e) § 63.7530(f) § 63.7540(b) § 63.7540(d) § 63.7545(a) § 63.7545(b) § 63.7545(c) § 63.7545(d) [G]§ 63.7545(e) [G]§ 63.7545(h) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(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)
					§ 63.7505(d) [G]§ 63.7505(d)(1) § 63.7505(e) § 63.7530(h) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13) § 63.7540(a)(9) § 63.7540(d)		[G]§ 63.7530(b)(4)(ii) § 63.7535(a) § 63.7535(b) § 63.7535(c) § 63.7535(d) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) [G]§ 63.7540(a)(18) § 63.7540(a)(9)		[G]§ 63.7550(h)
24-2082	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
24-2082	EU	60BB-01	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(3)(i)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from lime kilns gases containing PM > 0.15 g/dscm corrected to 10% oxygen, using gaseous fossil fuel.	§ 60.285(a) § 60.285(b) § 60.285(b)(1) § 60.285(b)(2) § 60.285(f)(1) ** See CAM Summary	None	None
24-2082	EU	60BB-02	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(3)(ii)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from lime kilns gases containing PM > 0.30	§ 60.285(a) § 60.285(b) § 60.285(b)(1) § 60.285(b)(2) § 60.285(f)(1) ** 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)
						g/dscm corrected to 10% oxygen, using liquid fossil fuel.			
24-2082	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(C) § 63.864(k)(1) § 63.864(k)(1)(i) § 63.864(k)(2) § 63.864(k)(2)(ii) § 63.864(k)(3)	Each existing kraft or soda lime kiln must have concentration of PM in the exhaust gases discharged to the atmosphere be less than or equal to 0.15 g/dscm correct to 10% oxygen.	§ 63.864(d) § 63.864(d)(3) § 63.864(d)(4) § 63.864(k)(1) § 63.864(k)(1)(i) § 63.864(k)(2) § 63.864(k)(2)(ii) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.864(d)(3) § 63.864(d)(4) § 63.866(a) [G]§ 63.866(a)(2) § 63.866(b) § 63.866(c) § 63.866(c)(2) § 63.866(c)(3) § 63.866(c)(4)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(c) § 63.867(c)(1)
24-2154	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
24-2154	EU	60BB-01	PM	40 CFR Part 60, Subpart BB	§ 60.282(a)(3)(i)	On and after the performance test completion no owner/operator shall discharge to the atmosphere from lime kilns gases containing PM > 0.15 g/dscm corrected to 10% oxygen, using gaseous fossil fuel.	§ 60.285(a) § 60.285(b) § 60.285(b)(1) § 60.285(b)(2) § 60.285(f)(1) ** See CAM Summary	None	None
24-2154	EU	63MM-01	PM	40 CFR Part 63, Subpart MM	§ 63.862(a)(1)(i)(C) § 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2)	Each existing kraft or soda lime kiln must have concentration of PM in the exhaust gases discharged	§ 63.864(e)(10) § 63.864(e)(10)(i) § 63.864(e)(10)(ii) [G]§ 63.864(j)	§ 63.864(e)(10) § 63.866(a) [G]§ 63.866(a)(1) [G]§ 63.866(a)(2)	§ 63.867(a)(1) § 63.867(b)(3) § 63.867(b)(3)(i) § 63.867(b)(3)(iii)

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)
					§ 63.864(k)(2)(iii) § 63.864(k)(3)	to the atmosphere be less than or equal to 0.15 g/dscm correct to 10% oxygen.	§ 63.864(k)(1) § 63.864(k)(1)(ii) § 63.864(k)(2) § 63.864(k)(2)(iii) § 63.864(k)(3) § 63.865 [G]§ 63.865(b)	§ 63.866(b) § 63.866(c) § 63.866(c)(2) § 63.866(c)(3) § 63.866(c)(4) § 63.866(c)(5)	§ 63.867(c) § 63.867(c)(1)
26	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
3	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
30-2602	EU	60Kb-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
4	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
43	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not	[G]§ 111.111(a)(1)(F)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Emissions		exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	** See Periodic Monitoring Summary		
50	EP	R1111-01	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
51	EP	R1111-01	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
5B	EP	R1111-01	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
7	EP	R1111-01	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
7K-DRIV	EU	63ZZZZ-	112(B)	40 CFR Part 63,	§ 63.6602-Table	For each existing non-	§ 63.6625(i)	§ 63.6625(i)	§ 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)
		01	HAPS	Subpart ZZZZ	2c.2 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i)	emergency, non-black start stationary CI RICE with a site rating less than 100 HP, located at a major source, you must comply with the requirements as specified in Table 2c.2.a-c.	§ 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6650(f)
7M-DRIV	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.2 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i)	For each existing non-emergency, non-black start stationary CI RICE with a site rating less than 100 HP, located at a major source, you must comply with the requirements as specified in Table 2c.2.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
DF-PMP1	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
DF-PMP1	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
DF-PMP1	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
DF-PMP2	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
DF-PMP2	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4	Owners and operators of emergency stationary fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
DF-PMP2	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
GEN1	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(j)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	Table 2c.6.a-c.			
GRPDIG1	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(1)(iii)	No gases containing TRS over 5 ppmv, corrected to 10% O2 shall be discharged from the listed units, unless they are burned with other waste gases in the specified devices under the stated conditions.	§ 60.284(b) § 60.284(b)(1) § 60.284(d)(3)(ii) § 60.284(f) § 60.285(a)	§ 60.284(b)(1)	§ 60.284(d)(3)(ii)
GRPDIG2	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(1)(iii)	No gases containing TRS over 5 ppmv, corrected to 10% O2 shall be discharged from the listed units, unless they are burned with other waste gases in the specified devices under the stated conditions.	§ 60.284(b) § 60.284(b)(1) § 60.284(d)(3)(ii) § 60.284(f) § 60.285(a)	§ 60.284(b)(1)	§ 60.284(d)(3)(ii)
GRPEV1	EU	60BB-01	TRS	40 CFR Part 60, Subpart BB	§ 60.283(a)(1)(iii)	No gases containing TRS over 5 ppmv, corrected to 10% O2 shall be discharged from the listed units, unless they are burned with other waste gases in the specified devices under the stated conditions.	§ 60.284(b) § 60.284(b)(1) § 60.284(d)(3)(ii) § 60.284(f) § 60.285(a)	§ 60.284(b)(1)	§ 60.284(d)(3)(ii)
LF-FUG	PRO	61M-01	112(B) HAPS	40 CFR Part 61, Subpart M	§ 61.154(a) [G]§ 61.154(b) § 61.154(e)(3) § 61.154(g)	There shall be no visible emissions to air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of §61.154(c) or (d) must be met.	None	[G]§ 61.154(e)(1) § 61.154(e)(4) § 61.154(f) § 61.154(i)	[G]§ 61.153(a)(5) § 61.153(b) § 61.154(e)(2) § 61.154(h) § 61.154(i) [G]§ 61.154(j)

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)
PROKRAFT	PRO	63S-03	112(B) HAPS	40 CFR Part 63, Subpart S	§ 63.445(a) § 63.445(b) § 63.445(c)(2) § 63.445(d)(2) § 63.450(b) § 63.450(c) § 63.450(d)(1)	Bleaching systems that do not use chlorinated compounds are exempt from requirements of this section. The following bleaching systems shall meet the provisions of this section: §63.445(a)(1)-(3).	§ ** See Alternative Requirement § 63.453(a) [G]§ 63.453(c) [G]§ 63.453(k) [G]§ 63.453(n) § 63.453(o) § 63.457(a) [G]§ 63.457(b) [G]§ 63.457(d) [G]§ 63.457(e) § 63.457(h) [G]§ 63.457(i)	§ 63.454(a) [G]§ 63.454(b) § 63.454(d) § 63.454(e)	[G]§ 63.453(n) § 63.453(o) § 63.455(a) § 63.455(d)
PROKRAFT	PRO	63S-03	112(B) HAPS	40 CFR Part 63, Subpart S	§ 63.443(a) § 63.443(c) § 63.443(d)(4) § 63.443(d)(4)(i) [G]§ 63.443(e) § 63.446(c)(1) § 63.446(d) § 63.446(d)(1) [G]§ 63.446(d)(2) § 63.446(e)(2) § 63.446(e)(3) § 63.450(b) § 63.450(c) § 63.450(d)(1)	Pulping systems using the kraft process subject to this subpart shall control the HAP emissions from the following equipment systems according to §§63.440(c)-(d).	§ ** See Alternative Requirement § 63.453(i) § 63.453(j) § 63.453(j)(2) [G]§ 63.453(j)(3) § 63.453(l) [G]§ 63.453(l)(1) § 63.453(l)(2) § 63.453(l)(3) [G]§ 63.453(n) § 63.453(o) § 63.453(p) [G]§ 63.453(p)(1) [G]§ 63.453(p)(2) [G]§ 63.453(p)(3) § 63.457(c) [G]§ 63.457(c)(1) § 63.457(c)(2) [G]§ 63.457(c)(3) [G]§ 63.457(c)(4) [G]§ 63.457(c)(5) [G]§ 63.457(c)(6) [G]§ 63.457(d) [G]§ 63.457(e) § 63.457(g)	§ 63.453(p) [G]§ 63.453(p)(1) [G]§ 63.453(p)(2) [G]§ 63.453(p)(3) § 63.454(a) [G]§ 63.454(b) § 63.454(d) § 63.454(e) § 63.454(f)	[G]§ 63.453(n) § 63.453(o) § 63.455(a) [G]§ 63.455(b) § 63.455(d) § 63.455(e) § 63.455(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 63.457(j) § 63.457(l) § 63.457(l)(1) § 63.457(l)(3)		
PROKRAFT	PRO	63S-04	112(B) HAPS	40 CFR Part 63, Subpart S	§ 63.445(a) § 63.445(b) § 63.445(c)(2) § 63.445(d)(2) § 63.450(b) § 63.450(c) § 63.450(d)(2)	Bleaching systems that do not use chlorinated compounds are exempt from requirements of this section. The following bleaching systems shall meet the provisions of this section: §63.445(a)(1)-(3).	§ ** See Alternative Requirement § 63.453(a) [G]§ 63.453(c) [G]§ 63.453(k) [G]§ 63.453(n) § 63.453(o) § 63.457(a) [G]§ 63.457(b) [G]§ 63.457(d) [G]§ 63.457(e) § 63.457(h) [G]§ 63.457(i)	§ 63.454(a) [G]§ 63.454(b) § 63.454(d)	[G]§ 63.453(n) § 63.453(o) § 63.455(a) § 63.455(d)
PROKRAFT	PRO	63S-04	112(B) HAPS	40 CFR Part 63, Subpart S	§ 63.443(a) § 63.443(c) § 63.443(d)(4) § 63.443(d)(4)(i) [G]§ 63.443(e) § 63.446(c)(1) § 63.446(d) § 63.446(d)(1) [G]§ 63.446(d)(2) § 63.446(e)(2) § 63.446(e)(3) § 63.450(b) § 63.450(c) § 63.450(d)(2)	Pulping systems using the kraft process subject to this subpart shall control the HAP emissions from the following equipment systems according to §§63.440(c)-(d).	§ ** See Alternative Requirement § 63.453(i) § 63.453(j) § 63.453(j)(2) [G]§ 63.453(j)(3) § 63.453(l) [G]§ 63.453(l)(1) § 63.453(l)(2) § 63.453(l)(3) [G]§ 63.453(n) § 63.453(o) § 63.453(p) [G]§ 63.453(p)(1) [G]§ 63.453(p)(2) [G]§ 63.453(p)(3) § 63.457(c) [G]§ 63.457(c)(1) § 63.457(c)(2) [G]§ 63.457(c)(3) [G]§ 63.457(c)(4)	§ 63.453(p) [G]§ 63.453(p)(1) [G]§ 63.453(p)(2) [G]§ 63.453(p)(3) § 63.454(a) [G]§ 63.454(b) § 63.454(d) § 63.454(f)	[G]§ 63.453(n) § 63.453(o) § 63.455(a) [G]§ 63.455(b) § 63.455(d) § 63.455(e) § 63.455(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 63.457(c)(5) [G]§ 63.457(c)(6) [G]§ 63.457(d) [G]§ 63.457(e) § 63.457(g) [G]§ 63.457(j) § 63.457(l) § 63.457(l)(1) § 63.457(l)(3)		
WW-PMP1	EU	60IIII-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a CO emission limit of 11.4 g/KW-hr, as listed in Table 1 to this subpart.	None	None	None
WW-PMP1	EU	60IIII-01	Hydrocarbons	40 CFR Part 60, Subpart IIII	§ 60.4204(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with an HC emission limit of 1.3 g/KW-hr, as listed in Table 1 to this subpart.	None	None	None
WW-PMP1	EU	60IIII-01	NO_X	40 CFR Part 60, Subpart IIII	§ 60.4204(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and a	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(b)(1)	displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a NOx emission limit of 9.2 g/KW-hr, as listed in Table 1 to this subpart.			
WW-PMP1	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a PM emission limit of 0.54 g/KW-hr, as listed in Table 1 to this subpart.	None	None	None
WW-PMP1	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
WW-PMP2	EU	60IIII-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I	Owners and operators of non-emergency stationary	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	CI ICE with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.			
WW-PMP2	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model year must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102.	None	None	None
WW-PMP2	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2011 model year	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						must comply with a PM emission limit of 0.30g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I.			
WW-PMP2	EU	60IIII-01	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 1039.105(b)(1)-(3).	None	None	None
WW-PMP2	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						engines under this part.			

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2021	
Control Device ID No.: C-621	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2021	
Control Device ID No.: C-621	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(1)(i)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2025	
Control Device ID No.: C-635	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 210.5 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2025	
Control Device ID No.: C-635	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 6.3 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2032	
Control Device ID No.: C-623	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 204.1 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2032	
Control Device ID No.: C-623	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 6.6 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2032	
Control Device ID No.: C-623	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(2)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 204.1 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2032	
Control Device ID No.: C-623	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(2)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 6.6 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2033	
Control Device ID No.: C-624	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 204.8 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2033	
Control Device ID No.: C-264	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 6.6 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2033	
Control Device ID No.: C-624	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(2)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 204.8 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2033	
Control Device ID No.: C-624	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(2)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 6.6 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2098	
Control Device ID No.: C-618	Control Device Type: Wet or dry electrostatic precipitator
Control Device ID No.: C-620	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 19-2098	
Control Device ID No.: C-618	Control Device Type: Wet scrubber
Control Device ID No.: C-620	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(1)(i)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 21-2069	
Control Device ID No.: C-515	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Db	SOP Index No.: 60Db-01A
Pollutant: PM	Main Standard: § 60.43b(h)(4)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour average	
Deviation Limit: Minimum Liquid Flow Rate = 5.05 gallons of water per thousand pounds of gas (air) per hour	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 21-2069	
Control Device ID No.: C-515	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Db	SOP Index No.: 60Db-01A
Pollutant: PM	Main Standard: § 60.43b(h)(4)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Required scrubber differential pressure: Across venturi (inches of water) = (0.1) x (percent hourly average boiler load) - 0.5. That is, at 100 percent full load, the required pressure drop would be 9.5 inches of water.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 21-2069	
Control Device ID No.: C-515	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour average	
Deviation Limit: Minimum Liquid Flow Rate = 5.05 gallons of water per thousand pounds of gas (air) per hour	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 21-2069	
Control Device ID No.: C-515	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Required scrubber differential pressure: Across venturi (inches of water) = (0.1) x (percent hourly average boiler load) - 0.5. That is, at 100 percent full load, the required pressure drop would be 9.5 inches of water.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 21-2105	
Control Device ID No.: C-512	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour average	
Deviation Limit: Minimum Liquid Flow Rate = 1,500 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 21-2105	
Control Device ID No.: C-512	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Maintain differential pressure across scrubber above 9 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2082	
Control Device ID No.: C-829	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2082	
Control Device ID No.: C-829	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(3)(i)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2082	
Control Device ID No.: C-829	Control Device Type: Wet or dry electrostatic precipitator
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-02
Pollutant: PM	Main Standard: § 60.282(a)(3)(ii)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: Maximum Opacity = 20%	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2154	
Control Device ID No.: C-827	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 300 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2154	
Control Device ID No.: C-827	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 20 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2154	
Control Device ID No.: C-827	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(3)(i)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 300 gpm	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

CAM Summary

Unit/Group/Process Information	
ID No.: 24-2154	
Control Device ID No.: C-827	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart BB	SOP Index No.: 60BB-01
Pollutant: PM	Main Standard: § 60.282(a)(3)(i)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 20 inches water column	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 1	
Control Device ID No.: C-512	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour average	
Deviation Limit: Minimum Liquid Flow Rate = 1,500 gpm	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 1	
Control Device ID No.: C-512	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Maintain differential pressure across scrubber above 9 inches water column	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 13	
Control Device ID No.: C-724	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per calendar quarter	
Averaging Period: N/A	
Deviation Limit: Maximum Opacity = 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 43	
Control Device ID No.: C-827	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 300 gpm	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 43	
Control Device ID No.: C-827	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 20 inches water column	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 50	
Control Device ID No.: C-515	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour average	
Deviation Limit: Minimum Liquid Flow Rate = 5.05 gallons of water per thousand pounds of gas (air) per hour	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 50	
Control Device ID No.: C-515	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: One hour	
Deviation Limit: Required scrubber differential pressure: Across venturi (inches of water) = (0.1) x (percent hourly average boiler load) - 0.5. That is, at 100 percent full load, the required pressure drop would be 9.5 inches of water.	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (± 250 pascals); or ± 2% of span.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 51	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Fuel limited to natural gas.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 5B	
Control Device ID No.: C-635	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Liquid Flow Rate	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Liquid Flow Rate = 210.5 gpm	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of span; or ± 5% of design liquid flow rate.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 5B	
Control Device ID No.: C-635	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: Four times per hour	
Averaging Period: 3-hour, rolling	
Deviation Limit: Minimum Pressure Drop = 6.3 inches water column	
Periodic Monitoring Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 1 inch water gauge pressure (+ 250 pascals); or ± 2% of span.	

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
17-2007	N/A	40 CFR Part 60, Subpart Kb	The storage vessel has a capacity greater than or equal to 75 cubic meters (19,812 gal) but less than 151 cubic meters (39,890 gal) storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
17-2007	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
19-2021	N/A	40 CFR Part 60, Subpart D	Kraft recovery boiler that maintains an annual fossil fuel capacity factor of less than or equal to 10% is not subject to 40 CFR Part 60, Subpart D. (See EPA applicability determination Control Number NB01 dated 6/15/1990)
19-2021	N/A	40 CFR Part 60, Subpart Db	Construction, modification, or reconstruction commenced before June 19, 1984.
19-2021	N/A	40 CFR Part 60, Subpart Dc	Steam generating unit with a maximum design heat input capacity of greater than 29 MW (100 MMBtu/hr).
19-2025	N/A	40 CFR Part 60, Subpart BB	Smelt dissolving tank was constructed before 9/24/76 and has not been modified later than 9/24/76.
19-2025	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
19-2025	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
19-2025	N/A	40 CFR Part 60, Subpart Kb	Tank meets the definition of process tank (i.e. excluded from the definition of storage vessel in §60.111a) and as such is not an affected source of 40 CFR 60, Subpart Kb.
19-2025	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			not been modified later than 10/4/2023.
19-2032	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
19-2032	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
19-2032	N/A	40 CFR Part 60, Subpart Kb	Tank meets the definition of process tank (i.e. excluded from the definition of storage vessel in §60.111a) and as such is not an affected source of 40 CFR 60, Subpart Kb.
19-2032	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
19-2033	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
19-2033	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
19-2033	N/A	40 CFR Part 60, Subpart Kb	Tank meets the definition of process tank (i.e. excluded from the definition of storage vessel in §60.111a) and as such is not an affected source of 40 CFR 60, Subpart Kb.
19-2033	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
19-2098	N/A	40 CFR Part 60, Subpart D	The unit has a heat input of greater than 250 MMBtu/hr and commenced construction, modification, or reconstruction after June 19, 1986 (i.e., affected source of 40 CFR 60, Subpart Db).
19-2098	N/A	40 CFR Part 60, Subpart Dc	Steam generating unit with a maximum design heat input capacity of greater than 29 MW (100 MMBtu/hr).
1K-DRIV	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			internal combustion engine that commenced construction before 7/11/2005 and has not been modified or reconstructed later than 7/11/2005.
21-2069	N/A	40 CFR Part 60, Subpart CCCC	Boiler does not combust any solid waste as defined in 40 CFR Part 241.
21-2069	N/A	40 CFR Part 60, Subpart D	The unit has a heat input of greater than 250 MMBtu/hr and commenced construction, modification, or reconstruction after June 19, 1986 (i.e., affected source of 40 CFR 60, Subpart Db).
21-2069	N/A	40 CFR Part 60, Subpart Dc	Steam generating unit with a maximum design heat input capacity of greater than 29 MW (100 MMBtu/hr).
21-2069	N/A	40 CFR Part 63, Subpart JJJJJJ	The Evadale Mill is a major source of HAP (i.e., not an area source of HAP).
21-2081	N/A	40 CFR Part 60, Subpart CCCC	Boiler does not combust any solid waste as defined in 40 CFR Part 241.
21-2081	N/A	40 CFR Part 60, Subpart D	The unit has a heat input of greater than 250 MMBtu/hr and commenced construction, modification, or reconstruction after June 19, 1986 (i.e., affected source of 40 CFR 60, Subpart Db).
21-2081	N/A	40 CFR Part 60, Subpart Dc	Steam generating unit with a maximum design heat input capacity of greater than 29 MW (100 MMBtu/hr).
21-2081	N/A	40 CFR Part 63, Subpart JJJJJJ	The Evadale Mill is a major source of HAP (i.e., not an area source of HAP).

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
21-2105	N/A	40 CFR Part 60, Subpart CCCC	Boiler does not combust any solid waste as defined in 40 CFR Part 241.
21-2105	N/A	40 CFR Part 60, Subpart D	Boiler was constructed before 8/17/1971 and has not been modified later than 8/17/1971.
21-2105	N/A	40 CFR Part 60, Subpart Db	Construction, modification, or reconstruction commenced before June 19, 1984.
21-2105	N/A	40 CFR Part 60, Subpart Dc	Construction, modification, or reconstruction commenced before June 9, 1989, and steam generating unit with a maximum design heat input capacity of greater than 29 MW (100 MMBtu/hr).
21-2105	N/A	40 CFR Part 63, Subpart JJJJJJ	The Evadale Mill is a major source of HAP (i.e., not an area source of HAP).
30-2602	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
30-2603	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
30-2603	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
30-2603	N/A	40 CFR Part 60, Subpart Kb	Tank does not store volatile organic liquids.
30-2603	N/A	40 CFR Part 60, Subpart Kc	Tank does not store volatile organic liquids.
30-2606	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
30-2606	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
30-2606	N/A	40 CFR Part 60, Subpart Kb	Tank does not store volatile organic liquids.
30-2606	N/A	40 CFR Part 60, Subpart Kc	Tank does not store volatile organic liquids.
40-2700	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
40-2700	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
40-2700	N/A	40 CFR Part 60, Subpart Kb	Tank does not store volatile organic liquids.
40-2700	N/A	40 CFR Part 60, Subpart Kc	Tank does not store volatile organic liquids.
705760-210	N/A	40 CFR Part 60, Subpart K	Tank constructed after 5/19/1978.
705760-210	N/A	40 CFR Part 60, Subpart Ka	Tank constructed after 7/23/1984.
705760-210	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 75 cubic meters (19,812 gal).
705760-210	N/A	40 CFR Part 60, Subpart Kc	Tank capacity is less than 75.7 cubic meters (20,000 gal).
71-2422	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The tank does not store gasoline and is located in a covered attainment county.
71-2422	N/A	40 CFR Part 60, Subpart K	Tank capacity is less than 151,412 liters (40,000 gal).
71-2422	N/A	40 CFR Part 60, Subpart Ka	Tank capacity is less than 151,416 liters (40,000 gal).
71-2422	N/A	40 CFR Part 60, Subpart Kb	Tank capacity less than 75 cubic meters (19,812 gal).
71-2422	N/A	40 CFR Part 60, Subpart Kc	Tank capacity is less than 75.7 cubic meters (20,000 gal).
77	N/A	40 CFR Part 60, Subpart BB	Diffusion washers are excluded from the definition of brown stock washer systems and therefore are not affected facilities.
78	N/A	40 CFR Part 60, Subpart BB	Diffusion washers are excluded from the definition of brown stock washer systems and therefore are not affected facilities.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
7K-DRIV	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before 7/11/2005 and has not been modified or reconstructed later than 7/11/2005.
7M-DRIV	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before 7/11/2005 and has not been modified or reconstructed later than 7/11/2005.
80-2865	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The tank does not store gasoline and is located in a covered attainment county.
80-2865	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
80-2865	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
80-2865	N/A	40 CFR Part 60, Subpart Kb	Tank with a capacity greater than or equal to 75 cubic meters (19,812 gal) but less than 151 cubic meters (39,890 gal) storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
80-2865	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
80-2867	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The tank does not store gasoline and is located in a covered attainment county.
80-2867	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
80-2867	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
80-2867	N/A	40 CFR Part 60, Subpart Kb	Tank with a capacity greater than or equal to 75 cubic meters (19,812 gal) but less than 151 cubic meters (39,890 gal) storing a liquid with a

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			maximum true vapor pressure less than 15.0 kPa.
80-2867	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
80-2869	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	The tank does not store gasoline and is located in a covered attainment county.
80-2869	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquid.
80-2869	N/A	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquid.
80-2869	N/A	40 CFR Part 60, Subpart Kb	Tank with a capacity greater than or equal to 75 cubic meters (19,812 gal) but less than 151 cubic meters (39,890 gal) storing liquid with a maximum true vapor pressure less than 15.0 kPa.
80-2869	N/A	40 CFR Part 60, Subpart Kc	Tank was constructed before 10/4/2023 and has not been modified later than 10/4/2023.
DIESELLOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Located in Jasper County and transferring of VOC other than gasoline.
E4-WASH	N/A	40 CFR Part 60, Subpart Kb	The storage vessel has a capacity less than 75 cubic meters (19,812 gal).
E4-WASH	N/A	40 CFR Part 60, Subpart Kc	Tank capacity is less than 75.7 cubic meters (20,000 gal).
E5-POLY	N/A	40 CFR Part 60, Subpart Kb	The storage vessel has a capacity less than 75 cubic meters (19,812 gal).
E5-POLY	N/A	40 CFR Part 60, Subpart Kc	Tank capacity is less than 75.7 cubic meters (20,000 gal).

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
FL-SCAL	N/A	40 CFR Part 60, Subpart Kb	The storage vessel has a capacity less than 75 cubic meters (19,812 gal).
FL-SCAL	N/A	40 CFR Part 60, Subpart Kc	Tank capacity is less than 75.7 cubic meters (20,000 gal).
GASLOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Motor vehicle fuel dispensing facility, as defined in §101.1 are exempt from 30 TAC Chapter 115, Subchapter C, Division 1.
GEN1	N/A	40 CFR Part 60, Subpart JJJJ	Engine is a stationary spark ignition internal combustion engine that was constructed before 6/12/2006 and has not been modified or reconstructed later than 6/12/2006.
GRPCOOL	11-2030, 30-2610, 54-2355, SR73-CT, SR77-CT, SR82-CT, SR83-CT	40 CFR Part 63, Subpart Q	Cooling tower is not operated with chromium-based water treatment chemicals.
GRPDIG2	40-0105, 40-2003, 40-2006, 40-2014, 40-2023, 40-2024, 40-2192, 40-2361, 40-2362, 40-2377, 50-0405, 50-2003, 50-2006, 50-2014, 50-2023, 50-2024, 50-2055, 50-2056, 50-2057, 50-2058, 50-2059, 50-2060, 50-2061, 50-2192	40 CFR Part 60, Subpart K	Tanks do not store petroleum liquids.
GRPDIG2	40-0105, 40-2003, 40-2006, 40-2014, 40-2023, 40-2024, 40-2192, 40-2361, 40-2362, 40-2377, 50-0405, 50-2003, 50-2006, 50-2014, 50-2023, 50-2024, 50-2055, 50-2056, 50-2057, 50-2058, 50-2059, 50-2060, 50-2061, 50-2192	40 CFR Part 60, Subpart Ka	Tanks do not store petroleum liquids.
GRPDIG2	40-0105, 40-2003, 40-2006, 40-2014, 40-2023, 40-2024, 40-2192, 40-2361, 40-2362, 40-2377, 50-0405, 50-2003,	40 CFR Part 60, Subpart Kb	Tanks meet the definition of process tanks (i.e. excluded from the definition of storage vessels in §60.111a) and as such are not affected

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	50-2006, 50-2014, 50-2023, 50-2024, 50-2055, 50-2056, 50-2057, 50-2058, 50-2059, 50-2060, 50-2061, 50-2192		sources of 40 CFR 60, Subpart Kb.
GRPDIG2	40-0105, 40-2003, 40-2006, 40-2014, 40-2023, 40-2024, 40-2192, 40-2361, 40-2362, 40-2377, 50-0405, 50-2003, 50-2006, 50-2014, 50-2023, 50-2024, 50-2055, 50-2056, 50-2057, 50-2058, 50-2059, 50-2060, 50-2061, 50-2192	40 CFR Part 60, Subpart Kc	Tanks were constructed before 10/4/2023 and have not been modified later than 10/4/2023.
GRPEV2	19-2062, 19-2071, 19-2074	40 CFR Part 60, Subpart BB	Multiple-effect evaporator system was constructed before 9/24/76 and has not been modified later than 9/24/76.
GRPTK01	17-2006, 17-2047, 17-2230, 18-2003, 18-2004, 19-2026, 19-2027, 19-2028, 19-2029, 19-2030, 19-2031, 19-2038, 19-2039, 19-2040, 19-2050, 19-2069, 19-2079, 19-2081, 19-2083, 19-2085, 19-2088, 19-2089, 19-2091, 21-2041, 24-2016, 24-2017, 24-2018, 24-2019, 24-2020, 24-2022, 24-2023, 24-2024, 24-2025, 24-2026, 24-2027, 24-2029, 24-2031, 24-2047, 24-2048, 24-2049, 24-2050, 24-2051, 24-2052, 24-2053, 24-2057, 24-2059, 24-2060, 24-2062, 24-2065, 24-2071, 24-2073, 24-2092, 24-2093, 24-2094, 24-2095, 24-2097, 24-2098, 24-2105, 24-2108, 24-2109, 26-2011, 26-2012, 34-2078, 34-2079, 40-2001, 40-2004, 40-2016, 40-2022, 40-2028, 40-2034, 40-2035, 40-2039,	40 CFR Part 60, Subpart K	Tanks do not store petroleum liquids.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	40-2061, 40-2087, 40-2088, 40-2089, 40-2101, 40-2102, 40-2103, 40-2104, 40-2167, 44-2014, 44-2016, 44-2017, 44-2018, 44-2019, 44-2020, 44-2021, 44-2022, 44-2023, 44-2024, 44-2025, 44-2043, 44-2065, 44-2080, 44-2081, 44-2144, 50-2001, 50-2016, 50-2022, 50-2053, 50-2066, 54-2101, 54-2102, 54-2103, 54-2107, 54-2108, 54-2109, 54-2110, 54-2111, 54-2113, 54-2122, 54-2236, 54-2237, 54-2238, 54-2527, 71-2001, 71-2002, 71-2003, 71-2098, 71-2099, 71-2113, 80-2940		
GRPTK01	17-2006, 17-2047, 17-2230, 18-2003, 18-2004, 19-2026, 19-2027, 19-2028, 19-2029, 19-2030, 19-2031, 19-2038, 19-2039, 19-2040, 19-2050, 19-2069, 19-2079, 19-2081, 19-2083, 19-2085, 19-2088, 19-2089, 19-2091, 21-2041, 24-2016, 24-2017, 24-2018, 24-2019, 24-2020, 24-2022, 24-2023, 24-2024, 24-2025, 24-2026, 24-2027, 24-2029, 24-2031, 24-2047, 24-2048, 24-2049, 24-2050, 24-2051, 24-2052, 24-2053, 24-2057, 24-2059, 24-2060, 24-2062, 24-2065, 24-2071, 24-2073, 24-2092, 24-2093, 24-2094, 24-2095, 24-2097, 24-2098, 24-2105, 24-2108, 24-2109, 26-2011, 26-2012, 34-2078, 34-2079, 40-2001, 40-2004, 40-2016, 40-2022, 40-2028, 40-2034, 40-2035, 40-2039,	40 CFR Part 60, Subpart Ka	Tanks do not store petroleum liquids.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	40-2061, 40-2087, 40-2088, 40-2089, 40-2101, 40-2102, 40-2103, 40-2104, 40-2167, 44-2014, 44-2016, 44-2017, 44-2018, 44-2019, 44-2020, 44-2021, 44-2022, 44-2023, 44-2024, 44-2025, 44-2043, 44-2065, 44-2080, 44-2081, 44-2144, 50-2001, 50-2016, 50-2022, 50-2053, 50-2066, 54-2101, 54-2102, 54-2103, 54-2107, 54-2108, 54-2109, 54-2110, 54-2111, 54-2113, 54-2122, 54-2236, 54-2237, 54-2238, 54-2527, 71-2001, 71-2002, 71-2003, 71-2098, 71-2099, 71-2113, 80-2940		
GRPTK01	17-2006, 17-2047, 17-2230, 18-2003, 18-2004, 19-2026, 19-2027, 19-2028, 19-2029, 19-2030, 19-2031, 19-2038, 19-2039, 19-2040, 19-2050, 19-2069, 19-2079, 19-2081, 19-2083, 19-2085, 19-2088, 19-2089, 19-2091, 21-2041, 24-2016, 24-2017, 24-2018, 24-2019, 24-2020, 24-2022, 24-2023, 24-2024, 24-2025, 24-2026, 24-2027, 24-2029, 24-2031, 24-2047, 24-2048, 24-2049, 24-2050, 24-2051, 24-2052, 24-2053, 24-2057, 24-2059, 24-2060, 24-2062, 24-2065, 24-2071, 24-2073, 24-2092, 24-2093, 24-2094, 24-2095, 24-2097, 24-2098, 24-2105, 24-2108, 24-2109, 26-2011, 26-2012, 34-2078, 34-2079, 40-2001, 40-2004, 40-2016, 40-2022, 40-2028, 40-2034, 40-2035, 40-2039,	40 CFR Part 60, Subpart Kb	Tanks meet the definition of process tanks (i.e. excluded from the definition of storage vessels in §60.111a) and as such are not affected sources of 40 CFR 60, Subpart Kb.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	40-2061, 40-2087, 40-2088, 40-2089, 40-2101, 40-2102, 40-2103, 40-2104, 40-2167, 44-2014, 44-2016, 44-2017, 44-2018, 44-2019, 44-2020, 44-2021, 44-2022, 44-2023, 44-2024, 44-2025, 44-2043, 44-2065, 44-2080, 44-2081, 44-2144, 50-2001, 50-2016, 50-2022, 50-2053, 50-2066, 54-2101, 54-2102, 54-2103, 54-2107, 54-2108, 54-2109, 54-2110, 54-2111, 54-2113, 54-2122, 54-2236, 54-2237, 54-2238, 54-2527, 71-2001, 71-2002, 71-2003, 71-2098, 71-2099, 71-2113, 80-2940		
GRPTK01	17-2006, 17-2047, 17-2230, 18-2003, 18-2004, 19-2026, 19-2027, 19-2028, 19-2029, 19-2030, 19-2031, 19-2038, 19-2039, 19-2040, 19-2050, 19-2069, 19-2079, 19-2081, 19-2083, 19-2085, 19-2088, 19-2089, 19-2091, 21-2041, 24-2016, 24-2017, 24-2018, 24-2019, 24-2020, 24-2022, 24-2023, 24-2024, 24-2025, 24-2026, 24-2027, 24-2029, 24-2031, 24-2047, 24-2048, 24-2049, 24-2050, 24-2051, 24-2052, 24-2053, 24-2057, 24-2059, 24-2060, 24-2062, 24-2065, 24-2071, 24-2073, 24-2092, 24-2093, 24-2094, 24-2095, 24-2097, 24-2098, 24-2105, 24-2108, 24-2109, 26-2011, 26-2012, 34-2078, 34-2079, 40-2001, 40-2004, 40-2016, 40-2022, 40-2028, 40-2034, 40-2035, 40-2039,	40 CFR Part 60, Subpart Kc	Tanks were constructed before 10/4/2023 and have not been modified later than 10/4/2023.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	40-2061, 40-2087, 40-2088, 40-2089, 40-2101, 40-2102, 40-2103, 40-2104, 40-2167, 44-2014, 44-2016, 44-2017, 44-2018, 44-2019, 44-2020, 44-2021, 44-2022, 44-2023, 44-2024, 44-2025, 44-2043, 44-2065, 44-2080, 44-2081, 44-2144, 50-2001, 50-2016, 50-2022, 50-2053, 50-2066, 54-2101, 54-2102, 54-2103, 54-2107, 54-2108, 54-2109, 54-2110, 54-2111, 54-2113, 54-2122, 54-2236, 54-2237, 54-2238, 54-2527, 71-2001, 71-2002, 71-2003, 71-2098, 71-2099, 71-2113, 80-2940		
GRPTK02	71-2374-AST, 71-2375-AST, 71-2423, 71-2424, 71-2425	40 CFR Part 60, Subpart K	Tank capacity is less than 151,412 liters (40,000 gal).
GRPTK02	71-2374-AST, 71-2375-AST, 71-2423, 71-2424, 71-2425	40 CFR Part 60, Subpart Ka	Tank capacity is less than 151,416 liters (40,000 gal).
GRPTK02	71-2374-AST, 71-2375-AST, 71-2423, 71-2424, 71-2425	40 CFR Part 60, Subpart Kb	Tank capacity less than 75 cubic meters (19,812 gal).
GRPTK02	71-2374-AST, 71-2375-AST, 71-2423, 71-2424, 71-2425	40 CFR Part 60, Subpart Kc	Tank capacity less than 75.7 cubic meters (20,000 gal).
GRPTK03	18-2032, 24-2061, 30-2601, 40-2020, 40-2025, 40-2026, 40-2038, 40-2166, 40-2405, 44-2006, 44-2151, 44-2335, 44-2337, 44-2338, 50-2020, 50-2021, 50-2044, 50-2045, 50-2048, 50-2405, 54-2180, 54-2181, 54-2674, 71-2542, 80-2877, 80-2878, 80-2881, 80-2926, 80-2927, 80-2928, 99-0472, 99-0612,	40 CFR Part 60, Subpart K	Tanks do not store petroleum liquids.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	99-0615, E4-BIOC, NA-7533		
GRPTK03	18-2032, 24-2061, 30-2601, 40-2020, 40-2025, 40-2026, 40-2038, 40-2166, 40-2405, 44-2006, 44-2151, 44-2335, 44-2337, 44-2338, 50-2020, 50-2021, 50-2044, 50-2045, 50-2048, 50-2405, 54-2180, 54-2181, 54-2674, 71-2542, 80-2877, 80-2878, 80-2881, 80-2926, 80-2927, 80-2928, 99-0472, 99-0612, 99-0615, E4-BIOC, NA-7533	40 CFR Part 60, Subpart Ka	Tanks do not store petroleum liquids.
GRPTK03	18-2032, 24-2061, 30-2601, 40-2020, 40-2025, 40-2026, 40-2038, 40-2166, 40-2405, 44-2006, 44-2151, 44-2335, 44-2337, 44-2338, 50-2020, 50-2021, 50-2044, 50-2045, 50-2048, 50-2405, 54-2180, 54-2181, 54-2674, 71-2542, 80-2877, 80-2878, 80-2881, 80-2926, 80-2927, 80-2928, 99-0472, 99-0612, 99-0615, E4-BIOC, NA-7533	40 CFR Part 60, Subpart Kb	Tank capacity less than 75 cubic meters (19,812 gal).
GRPTK03	18-2032, 24-2061, 30-2601, 40-2020, 40-2025, 40-2026, 40-2038, 40-2166, 40-2405, 44-2006, 44-2151, 44-2335, 44-2337, 44-2338, 50-2020, 50-2021, 50-2044, 50-2045, 50-2048, 50-2405, 54-2180, 54-2181, 54-2674, 71-2542, 80-2877, 80-2878, 80-2881, 80-2926, 80-2927, 80-2928, 99-0472, 99-0612, 99-0615, E4-BIOC, NA-7533	40 CFR Part 60, Subpart Kc	Tank capacity less than 75.7 cubic meters (20,000 gal).
GRPTK04	17-2048, 19-2011, 19-2080, 19-2084, 40-2100	40 CFR Part 60, Subpart K	Tanks do not store petroleum liquids.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK04	17-2048, 19-2011, 19-2080, 19-2084, 40-2100	40 CFR Part 60, Subpart Ka	Tanks do not store petroleum liquids.
GRPTK04	17-2048, 19-2011, 19-2080, 19-2084, 40-2100	40 CFR Part 60, Subpart Kb	Tanks were constructed before 07/23/1984 and have not been modified later than 07/23/1984.
GRPTK04	17-2048, 19-2011, 19-2080, 19-2084, 40-2100	40 CFR Part 60, Subpart Kc	Tanks were constructed before 10/4/2023 and have not been modified later than 10/4/2023.
GRPTK05	19-2107, 24-2074, 40-2334, 40-2335, 40-2539, 50-2004, 50-2025, 50-2026, 50-2032, 50-2065, 54-2234, 54-2285, 54-2323, 54-2343, 54-2360, 54-2441, 54-2472, 54-2528	40 CFR Part 60, Subpart K	Tanks do not store petroleum liquids.
GRPTK05	19-2107, 24-2074, 40-2334, 40-2335, 40-2539, 50-2004, 50-2025, 50-2026, 50-2032, 50-2065, 54-2234, 54-2285, 54-2323, 54-2343, 54-2360, 54-2441, 54-2472, 54-2528	40 CFR Part 60, Subpart Ka	Tanks do not store petroleum liquids.
GRPTK05	19-2107, 24-2074, 40-2334, 40-2335, 40-2539, 50-2004, 50-2025, 50-2026, 50-2032, 50-2065, 54-2234, 54-2285, 54-2323, 54-2343, 54-2360, 54-2441, 54-2472, 54-2528	40 CFR Part 60, Subpart Kb	Tank capacity less than 75 cubic meters (19,812 gal).
GRPTK05	19-2107, 24-2074, 40-2334, 40-2335, 40-2539, 50-2004, 50-2025, 50-2026, 50-2032, 50-2065, 54-2234, 54-2285, 54-2323, 54-2343, 54-2360, 54-2441, 54-2472, 54-2528	40 CFR Part 60, Subpart Kc	Tank capacity less than 75.7 cubic meters (20,000 gal).
MEOHLOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Located in Jasper County and transferring of VOC other than gasoline.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
SOAPLOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Located in Jasper County and transferring of VOC other than gasoline.
TURPLOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Located in Jasper County and transferring of VOC other than gasoline.

New Source Review Authorization References

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX785M7	Issuance Date: 04/25/2022
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.: 20365	Issuance Date: 04/25/2022
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 7	Version No./Date: 10/04/1995
Number: 51	Version No./Date: 05/04/1994
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 03/14/1997
Number: 106.317	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.474	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 118	Version No./Date: 05/04/1994
Number: 118	Version No./Date: 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**
1	NO. 2 POWER BOILER STACK	20365, PSDTX785M7
11-2030	NORTH COOLING TOWER	106.371/09/04/2000
13	NO. 4 LIME SLAKER STACK	20365, PSDTX785M7
17-2006	NO. 1 PM BROKE TANK	20365, PSDTX785M7
17-2007	E2 POLYMER TANK	106.472/09/04/2000
17-2047	NO. 1 PM PRIME PINE RAW STOCK STORAGE TANK	20365, PSDTX785M7
17-2048	NO. 1 PM EAST ROSIN TANK	20365, PSDTX785M7
17-2230	NO. 1 PM BROWNSTOCK STORAGE	20365, PSDTX785M7
18-2003	STANDARD PINE TANK	20365, PSDTX785M7
18-2004	PM RECYCLE BROKE TANK	20365, PSDTX785M7
18-2032	NO. 4 PM DRS TANK	106.472/09/04/2000
19-2011	NO. 4 RECOVERY ASH MIX TANK	20365, PSDTX785M7
19-2021	NO. 4 CHEMICAL RECOVERY BOILER	20365, PSDTX785M7
19-2022	NO. 1 FINISHER	20365, PSDTX785M7
19-2023	NO. 2 FINISHER	20365, PSDTX785M7
19-2025	NO. 3 SMELT DISSOLVING TANK	20365, PSDTX785M7
19-2026	NO. 2 RECOVERY BOILER SMALL SPILL TANK	20365, PSDTX785M7
19-2027	NO. 5 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7, 106.264/03/14/1997 [110879]
19-2028	NO. 6 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
19-2029	NO. 4 63% HEAVY BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7

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**
19-2030	NO. 2 65% HEAVY BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
19-2031	NO. 4 RECOVERY ASH HOPPER BLACK LIQUOR SLUICE TANK	20365, PSDTX785M7
19-2032	NO. 4 SOUTH SMELT DISSOLVING TANK	20365, PSDTX785M7
19-2033	NO. 4 NORTH SMELT DISSOLVING TANK	20365, PSDTX785M7
19-2038	NO. 4 HEAVY BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
19-2039	NO. 4 EVAPORATORS SOAP SEPARATOR TANK	20365, PSDTX785M7, 106.261/11/01/2003 [86620], 106.262/11/01/2003 [86620], 106.472/09/04/2000 [86620]
19-2040	NO. 5 RECLAIM SPILL TANK	20365, PSDTX785M7, 106.472/09/04/2000
19-2041	NO. 4 EVAPORATOR SYSTEM	20365, PSDTX785M7, 106.261/11/01/2003, 106.262/11/01/2003
19-2048	NO. 2 CONCENTRATOR	20365, PSDTX785M7
19-2049	NO. 3 CONCENTRATOR	20365, PSDTX785M7
19-2050	COMBINED CONDENSATE COLLECTION TANK	20365, PSDTX785M7
19-2053	NO. 2 EVAPORATOR SYSTEM	20365, PSDTX785M7
19-2062	NO. 3 EVAPORATOR SYSTEM	20365, PSDTX785M7, 106.261/11/01/2003, 106.262/11/01/2003
19-2069	NO. 3 EVAPORATOR FLASH	20365, PSDTX785M7
19-2071	NO. 3 PRE-EVAPORATOR SYSTEM	20365, PSDTX785M7
19-2074	NO. 2 PRE-EVAPORATOR SYSTEM	20365, PSDTX785M7
19-2079	FILTERED WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
19-2080	NO. 2 RECOVERY CONCENTRATED SOAP TANK	20365, PSDTX785M7

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**
19-2081	NO. 1 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7, 106.472/09/04/2000
19-2083	NO. 2 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7, 106.472/09/04/2000
19-2084	NO. 4 RECOVERY SOAP STORAGE TANK	20365, PSDTX785M7
19-2085	NO. 1 55% HEAVY BLACK LIQUOR STORAGE	20365, PSDTX785M7
19-2088	NO. 2 RECOVERY BOILER DUMP TANK	20365, PSDTX785M7
19-2089	NO. 2 RECOVERY BOILER USE TANK	20365, PSDTX785M7
19-2091	NO. 3 RECOVERY BOILER USE TANK	20365, PSDTX785M7
19-2098	NO. 3 CHEMICAL RECOVERY BOILER	20365, PSDTX785M7
19-2107	NO. 3 SDT SCRUBBER TANK	20365, PSDTX785M7
1K-DRIV	NO. 1 LK DRIVE	106.512/06/13/2001
21-2041	NO. 6 CATION TANK	106.532/09/04/2000
21-2069	NO. 6 POWER BOILER	20365, PSDTX785M7, 106.263/11/01/2001, 118/06/07/1996 [33941]
21-2081	NO. 5 POWER BOILER	20365, PSDTX785M7, 106.263/11/01/2001
21-2105	NO. 2 POWER BOILER	20365, PSDTX785M7, 106.263/11/01/2001, 118/06/07/1996 [33941]
24-2016	NO. 2 WEAK WASH TANK	20365, PSDTX785M7
24-2017	NO. 3 MUD WASHER	20365, PSDTX785M7
24-2018	NO. 4 WHITE LIQUOR CLARIFIER	20365, PSDTX785M7, 106.472/09/04/2000
24-2019	NO. 2 MUD STORAGE TANK	20365, PSDTX785M7
24-2020	NO. 1 MUD STORAGE TANK	20365, PSDTX785M7

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**
24-2022	NO. 3 MUD STORAGE TANK	20365, PSDTX785M7
24-2023	GREEN LIQUOR STABILIZATION TANK	20365, PSDTX785M7
24-2024	NO. 1 MUD WASHER	20365, PSDTX785M7
24-2025	RAW GREEN LIQUOR STORAGE TANK	20365, PSDTX785M7
24-2026	RECAUST WASTE WATER CLARIFIER	20365, PSDTX785M7
24-2027	NO. 1 WEAK WASH TANK	20365, PSDTX785M7
24-2029	NO. 2 WHITE LIQUOR STORAGE TANK	20365, PSDTX785M7
24-2031	NO. 1 WHITE LIQUOR STORAGE TANK	20365, PSDTX785M7
24-2047	NO. 4 LIME MUD WASHER	20365, PSDTX785M7
24-2048	NO. 6 GREEN LIQUOR CLARIFIER	20365, PSDTX785M7
24-2049	NO. 5 WHITE LIQUOR CLARIFIER	20365, PSDTX785M7
24-2050	NO. 5 MUD WASHER	20365, PSDTX785M7
24-2051	NO. 4-3 CAUSTICIZER TANK	20365, PSDTX785M7
24-2052	NO. 4-2 CAUSTICIZER TANK	20365, PSDTX785M7
24-2053	NO. 4-1 CAUSTICIZER TANK	20365, PSDTX785M7
24-2057	NO. 4 LIME SLAKER	20365, PSDTX785M7
24-2059	NO. 5 GREEN LIQUOR CLARIFIER	20365, PSDTX785M7
24-2060	NO. 6 WHITE LIQUOR CLARIFIER	20365, PSDTX785M7
24-2061	RECAUST MURIATIC ACID TANK	20365, PSDTX785M7, 106.474/09/04/2000
24-2062	NO. 3 WHITE LIQUOR STORAGE	20365, PSDTX785M7
24-2065	NO. 3 MUDWASHER, NO. 1 MUD MIX TANK	20365, PSDTX785M7

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**
24-2071	NO. 7 LIME SLAKER	20365, PSDTX785M7
24-2073	NO. 7 WHITE LIQUOR ECOFILTER	20365, PSDTX785M7
24-2074	NO. 7 ECOFILTER MUDWASHER	20365, PSDTX785M7
24-2082	NO. 7 LIME KILN	20365, PSDTX785M7
24-2092	NO. 7-3 CAUSTICIZER TANK	20365, PSDTX785M7
24-2093	NO. 7 ECOFILTER FEED TANK	20365, PSDTX785M7
24-2094	NO. 7 KILN LIME MUD DILUTION TANK	20365, PSDTX785M7
24-2095	NO. 7 KILN LIME MUD MIX TANK	20365, PSDTX785M7
24-2097	NO. 7 LIME MUD STORAGE TANK	20365, PSDTX785M7
24-2098	WEAK WASH STANDPIPE	20365, PSDTX785M7
24-2105	NO. 7 GREEN LIQUOR CLARIFIER	20365, PSDTX785M7
24-2108	NO. 7-2 CAUSTICIZER TANK	20365, PSDTX785M7
24-2109	NO. 7-1 CAUSTICIZER TANK	20365, PSDTX785M7
24-2154	NO. 1 LIME KILN	20365, PSDTX785M7
26	NO. 4 RECOVERY BOILER STACK	20365, PSDTX785M7, 106.261/11/01/2003 [86620], 106.262/11/01/2003 [86620], 106.472/09/04/2000 [86620]
26-2002	NO. 5 CONCENTRATOR SYSTEM	20365, PSDTX785M7
26-2011	NO. 5 CONCENTRATOR, NO. 2 BLACK LIQUOR FEED TANK	20365, PSDTX785M7
26-2012	NO. 5 CONCENTRATOR, NO. 1 BLACK LIQUOR FEED TANK	20365, PSDTX785M7
3	NO. 3 RECOVERY UNIT NORTH STACK	20365, PSDTX785M7

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**
30-2601	93% SULFURIC ACID DAY TANK	20365, PSDTX785M7, 106.472/09/04/2000
30-2602	METHANOL STORAGE TANK	20365, PSDTX785M7
30-2603	SODIUM CHLORATE UNLOADING TANK	20365, PSDTX785M7, 106.472/09/04/2000
30-2606	SODIUM CHLORATE TANK	20365, PSDTX785M7, 106.472/09/04/2000
30-2610	COOLING TOWER AT CLO2 PLANT	106.371/09/04/2000
34-2078	NO. 2 PM NORTH BROKE TANK	20365, PSDTX785M7
34-2079	NO. 3 RECOVERY UNIT NORTH STACK	20365, PSDTX785M7
4	NO. 3 RECOVERY UNIT SOUTH STACK	20365, PSDTX785M7
40-0105	NO. 4 FL DIGESTER STEAMING VESSEL	20365, PSDTX785M7
40-2001	HARDWOOD BROWN PULP STORAGE	20365, PSDTX785M7
40-2002	NO. 4 DIGESTER	20365, PSDTX785M7
40-2003	NO. 4 FL IMPREGNATION VESSEL	20365, PSDTX785M7
40-2004	NO. 4 BSW FILTRATE TANK	20365, PSDTX785M7
40-2006	NO. 4 FL NO. 1 FLASH CONDENSATE TANK	20365, PSDTX785M7
40-2014	NO. 4 FL NO. 2 FLASH CONDENSATE TANK	20365, PSDTX785M7
40-2016	NO. 4 DECKER FILTRATE TANK	20365, PSDTX785M7
40-2020	NO. 4 FL KNOT TANK	20365, PSDTX785M7
40-2022	NO. 4 BLEACH FEED TANK	20365, PSDTX785M7
40-2023	NO. 4 FL NO. 1 FLASH TANK	20365, PSDTX785M7
40-2024	NO. 4 FL NO. 2 FLASH TANK	20365, PSDTX785M7
40-2025	NO. 4 BP D1 FILTRATE TANK	20365, PSDTX785M7

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**
40-2026	NO. 4 BP EOP FILTRATE TANK	20365, PSDTX785M7
40-2028	BLEACHED HARDWOOD - JUMBO STORAGE	20365, PSDTX785M7
40-2034	BLEACHED HARDWOOD - SOUTH STORAGE	20365, PSDTX785M7
40-2035	BLEACHED HARDWOOD - NORTH STORAGE	20365, PSDTX785M7
40-2038	93% SULFURIC ACID DAY TANK	20365, PSDTX785M7, 106.472/09/04/2000
40-2039	NO. 5 HD, PM BROKE TANK	20365, PSDTX785M7
40-2061	RESERVE - 151 TON STOCK TANK	20365, PSDTX785M7
40-2087	BLEACHED PINE - SOUTHEAST STORAGE	20365, PSDTX785M7
40-2088	BLEACHED PINE - EAST STORAGE	20365, PSDTX785M7
40-2089	BLEACHED PINE - WEST STORAGE	20365, PSDTX785M7
40-2100	NO. 2 FOAM TANK	20365, PSDTX785M7
40-2101	NO. 5A WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
40-2102	NO. 7 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
40-2103	NO. 9 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
40-2104	NO. 8 WEAK BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
40-2166	TURPENTINE STORAGE TANK	20365, PSDTX785M7
40-2167	TURPENTINE DECANTER TANK	20365, PSDTX785M7
40-2192	NO. 4 FL CHIP BIN	20365, PSDTX785M7
40-2334	NO. 4 PM SIZE TANK	106.472/09/04/2000
40-2335	NO. 4 PM RETENTION AID TANK	106.472/09/04/2000
40-2361	NO. 4 FL NCG SYSTEM CHIP BIN SEPARATOR TANK	20365, PSDTX785M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
40-2362	NO. 4 FL CHIP BIN GAS CONDENSER	20365, PSDTX785M7
40-2377	NO. 4 FL NCG SYSTEM FOUL CONSENDATE TANK	20365, PSDTX785M7
40-2405	NO. 4 BLEACH PLANT HYDROGEN PEROXIDE PROCESS TANK	106.262/09/04/2000 [49029]
40-2539	NO. 4 FL SOUTH DEFOAMER TANK	20365, PSDTX785M7
40-2700	NO. 4 FL SULFURIC ACID DAY TANK	106.472/09/04/2000
43	NO. 1 LIME KILN SCRUBBER	20365, PSDTX785M7
44-2006	NO. 4 PM DECULATER	20365, PSDTX785M7
44-2014	NO. 4 PM BROKE STORAGE TANK	20365, PSDTX785M7
44-2016	NO. 4 PM SAVEALL FEED CHEST	20365, PSDTX785M7
44-2017	NO. 4 PM PINE CHEST	20365, PSDTX785M7
44-2018	NO. 4 PM BLEND CHEST	20365, PSDTX785M7
44-2019	NO. 4 PM MACHINE CHEST	20365, PSDTX785M7
44-2020	NO. 4 PM LEVELING CHEST	20365, PSDTX785M7
44-2021	NO. 4 PM WHITE WATER CHEST	20365, PSDTX785M7
44-2022	NO. 4 PM PRIMARY REJECT CHEST	20365, PSDTX785M7
44-2023	NO. 4 PM SILO	20365, PSDTX785M7
44-2024	NO. 4 PM COUCH PIT	20365, PSDTX785M7
44-2025	NO. 4 PM HYDRAPULPER PRESS SECTION	20365, PSDTX785M7
44-2043	NO. 4 PM NO. 13 CONDENSATE TANK	106.472/09/04/2000
44-2065	NO. 4 PM HYDRAPULPER WINDER	20365, PSDTX785M7
44-2080	NO. 4 PM HYDRAPULPER SIZE PRESS	20365, PSDTX785M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
44-2081	NO. 4 PM HYDRAPULPER DRY END	20365, PSDTX785M7
44-2144	NO. 4 PM WIRE PIT	20365, PSDTX785M7
44-2151	NO. 4 PM AKD TANK	106.472/09/04/2000
44-2335	RETENTION AID POLYMER TANK	106.472/09/04/2000
44-2337	NO. 4 PM AKD TANK SOUTH	106.472/09/04/2000
44-2338	NO. 4 PM AKD TANK NORTH	106.472/09/04/2000
50	NO. 6 POWER BOILER STACK	20365, PSDTX785M7
50-0405	NO. 5 FL DIGESTER STEAMING VESSEL	20365, PSDTX785M7
50-2001	NO. 5 FL HD STOCK TANK	20365, PSDTX785M7
50-2002	NO. 5 DIGESTER	20365, PSDTX785M7
50-2003	NO. 5 FL IMPREGNATION VESSEL	20365, PSDTX785M7
50-2004	NO. 5 BSW FILTRATE TANK	20365, PSDTX785M7
50-2006	NO. 5 FL NO. 1 FLASH CONDENSATE TANK	20365, PSDTX785M7
50-2014	NO. 5 FL NO. 2 FLASH CONDENSATE TANK	20365, PSDTX785M7
50-2016	NO. 5 FL DECKER FILTRATE TANK	20365, PSDTX785M7
50-2020	NO. 5 KNOT TANK	20365, PSDTX785M7
50-2021	NO. 5 FL SCREEN DILUTION TANK	20365, PSDTX785M7
50-2022	NO. 5 FL BLEACH FEED TANK	20365, PSDTX785M7
50-2023	NO. 5 FL NO. 1 FLASH TANK	20365, PSDTX785M7
50-2024	NO. 5 FL NO. 2 FLASH TANK	20365, PSDTX785M7
50-2025	NO. 5 BP D1 FILTRATE TANK	20365, PSDTX785M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
50-2026	NO. 5 BP EOP BLEACH FILTRATE TANK	106.472/09/04/2000
50-2032	NO. 5 BP P FILTRATE TANK	20365, PSDTX785M7
50-2044	FL5 MAGNESIUM SULFATE TANK	106.472/09/04/2000
50-2045	VERSENE (R) 80 (DTPA)	20365, PSDTX785M7
50-2048	NO. 5 RETENTION AID TANK	106.472/09/04/2000
50-2053	NO. 5 BROWN STOCK WASHER	20365, PSDTX785M7
50-2055	NO. 5 FL ENTRAINMENT SEPARATOR	20365, PSDTX785M7
50-2056	NO. 5 FL PRIMARY TURPENTINE CONDENSER	20365, PSDTX785M7
50-2057	NO. 5 FL SECONDARY TURPENTINE CONDENSER	20365, PSDTX785M7
50-2058	NO. 5 FL NCG TURPENTINE GAS COOLER	20365, PSDTX785M7
50-2059	NO. 5 FL NCG SYSTEM FOUL CONDENSATE TANK	20365, PSDTX785M7
50-2060	NO. 5 FL CHIP BIN NCG SCRUBBER	20365, PSDTX785M7
50-2061	NO. 5 FL CHIP BIN GAS COOLER	20365, PSDTX785M7
50-2065	NO. 5 FL NORTH DEFOAMER TANK	20365, PSDTX785M7
50-2066	NO. 5 FL UNFILTERED WEAK BLACK LIQUOR TANK	20365, PSDTX785M7, 106.472/09/04/2000
50-2192	NO. 5 FL CHIP BIN	20365, PSDTX785M7
50-2405	NO. 5 BLEACH PLANT HYDROGEN PEROXIDE PROCESS TANK	106.262/09/04/2000 [49029]
51	NO. 5 POWER BOILER STACK	20365, PSDTX785M7
54-2101	NO. 5 S/W RAW STACK	20365, PSDTX785M7
54-2102	NO. 6 S/W RAW STACK	20365, PSDTX785M7
54-2103	NO. 5 PM BLEND CHEST	20365, PSDTX785M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
54-2107	NO. 5 PM SAVEALL RECOVERED STOCK CHEST	20365, PSDTX785M7
54-2108	NO. 5 PM CLOUDY WHITEWATER CHEST	20365, PSDTX785M7
54-2109	NO. 5 PM CLEAR WHITEWATER CHEST	20365, PSDTX785M7
54-2110	NO. 5 PM CLARIFIED WHITEWATER CHEST	20365, PSDTX785M7
54-2111	NO. 5 PM BROKE CHEST	20365, PSDTX785M7
54-2113	NO. 5 PM MACHINE CHEST	20365, PSDTX785M7
54-2122	NO. 5 PM CLEANER SCREEN & REJECT DILUTION CHEST	20365, PSDTX785M7
54-2180	NO. 5 PM SOUTH AKD TANK	106.472/09/04/2000
54-2181	NO. 5 PM NORTH AKD TANK	106.472/09/04/2000
54-2234	NO. 5 PM MACHINE SILO	20365, PSDTX785M7
54-2236	NO. 5 PM MACHINE WHITEWATER CHEST/ COUCH PIT	20365, PSDTX785M7
54-2237	NO. 5 PM SEAL PIT	20365, PSDTX785M7
54-2238	NO. 5 PM COUCH PIT	20365, PSDTX785M7
54-2285	NO. 5 PM PRESS PIT PULPER	20365, PSDTX785M7
54-2323	NO. 5 PM SIZE PRESS PULPER	20365, PSDTX785M7
54-2343	NO. 5 PM WEST STACK PULPER	20365, PSDTX785M7
54-2355	NO. 5 PM WEST COOLING TOWER	106.371/09/04/2000
54-2360	NO. 5 PM NO. 1 REEL PULPER	20365, PSDTX785M7
54-2441	NO. 5 PM WINDER PULPER	20365, PSDTX785M7
54-2472	NO. 5 PM NO. 2 REEL PULPER	20365, PSDTX785M7
54-2527	NO. 5 PM RICEHULL PIT	20365, PSDTX785M7

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
54-2528	NO. 5 PM WET END EFFLUENT SUMP	20365, PSDTX785M7
54-2674	NO. 5 PM SULFURIC ACID STORAGE TANK	106.472/09/04/2000 [110853]
5B	NO. 3 SMELT DISSOLVING TANK	20365, PSDTX785M7
7	NO. 7 LIME KILN ESP STACK	20365, PSDTX785M7
705760-210	LIQUID FUEL STORAGE TANK (24-2321)	20365, PSDTX785M7
71-2001	NO. 6 55% HEAVY BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
71-2002	NO. 5 55% HEAVY BLACK LIQUOR STORAGE TANK	20365, PSDTX785M7
71-2003	NO. 2 RECOVERY SOAP STORAGE TANK	20365, PSDTX785M7
71-2098	WASTE TREATMENT CLARIFIER	20365, PSDTX785M7
71-2099	WASTE THICKENER CLARIFIER	20365, PSDTX785M7
71-2113	FILTER PLANT BACKWASH TANK	20365, PSDTX785M7
71-2374-AST	DIESEL STORAGE TANK	20365, PSDTX785M7
71-2375-AST	GASOLINE STORAGE TANK	20365, PSDTX785M7
71-2422	OIL-USED STORAGE TANK	20365, PSDTX785M7
71-2423	OIL-LUBRICATING TANK	20365, PSDTX785M7
71-2424	OIL-LUBRICATING TANK	20365, PSDTX785M7
71-2425	OIL-HYDRAULIC TANK	20365, PSDTX785M7
71-2542	WEST SODIUM HYPOCHLORITE TANK N	106.532/09/04/2000
77	NO. 4 DIFFUSION WASHER VENT	20365, PSDTX785M7
78	NO. 5 DIFFUSION WASHER VENT	20365, PSDTX785M7
7K-DRIV	NO. 7 LK DRIVE	106.512/06/13/2001

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
7M-DRIV	NO. 7 MUD STORAGE	106.512/06/13/2001
80-2865	NO. 1 LATEX STORAGE TANK	20365, PSDTX785M7
80-2867	NO. 2 LATEX STORAGE TANK	20365, PSDTX785M7
80-2869	NO. 3 LATEX STORAGE TANK	20365, PSDTX785M7
80-2877	DEFOAMER STORAGE TANK	20365, PSDTX785M7
80-2878	DISPERSANT STORAGE TANK	20365, PSDTX785M7
80-2881	VISCOSITY MODIFIER STORAGE TANK	20365, PSDTX785M7
80-2926	COATING COLOR VST NO. 1 MIXER	20365, PSDTX785M7
80-2927	COATING COLOR VST NO. 2 MIXER	20365, PSDTX785M7
80-2928	COATING COLOR VST NO. 3 MIXER	20365, PSDTX785M7
80-2940	CLAY SLURRY TANK	20365, PSDTX785M7, 106.261/11/01/2003 [86620], 106.262/11/01/2003 [86620], 106.472/09/04/2000 [86620]
99-0472	NO. 1 PM DEFOAMER STORAGE TANK	20365, PSDTX785M7
99-0612	DREWFAX 342 POLYTANK	20365, PSDTX785M7
99-0615	DREWFAX 393 POLYTANK	20365, PSDTX785M7
DF-PMP1	DIESEL FIRE PUMP 1	106.511/09/04/2000
DF-PMP2	DIESEL FIRE PUMP 2	106.511/09/04/2000
DIESELLOAD	DIESEL LOADING/ UNLOADING	20365, PSDTX785M7
E4-BIOC	E4 BIOCIDE TANK	106.261/11/01/2003 [70534], 106.472/09/04/2000
E4-WASH	E4 FELT WASH	106.473/09/04/2000

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E5-POLY	E5 POLYMER TANK	106.472/09/04/2000
FL-SCAL	FL SCALE INHIBITOR	106.473/09/04/2000
GASLOAD	GASOLINE LOADING/ UNLOADING	20365, PSDTX785M7
GEN1	EMERGENCY GENERATOR	20365, PSDTX785M7, 106.511/09/04/2000
LF-FUG	LANDFILL FUGITIVES	20365, PSDTX785M7
MEOHLOAD	METHANOL UNLOADING	20365, PSDTX785M7
NA-7533	NALCO 7533 TANK	106.472/09/04/2000
PROKRAFT	KRAFT PROCESS LVHC SYSTEM	20365, PSDTX785M7
SOAPLOAD	SOAP LOADING	20365, PSDTX785M7
SR73-CT	SWITCH ROOM 73 COOLING TOWER	106.371/09/04/2000
SR77-CT	SWITCH ROOM 77 COOLING TOWER	106.371/09/04/2000
SR82-CT	SWITCH ROOM 82 COOLING TOWER	106.371/09/04/2000
SR83-CT	SWITCH ROOM 83 COOLING TOWER	106.371/09/04/2000
TURPLOAD	TURPENTINE LOADING	20365, PSDTX785M7
WW-PMP1	NORTH EFFLUENT PUMP ENGINE	106.512/06/13/2001
WW-PMP2	SOUTH EFFLUENT PUMP ENGINE	106.511/09/04/2000, 106.512/06/13/2001

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

Alternative Requirement

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

DEC 2 8 2001

Mr. Jeff Burris
Environmental Services Manager
Westvaco
Packaging Resources Group
P.O. Box 816
Silsbee, Texas 77656

RE: Request for Approval of Alternative Monitoring Parameters/Approval for Alternative Requirements for Leak Detection and Repair (LDAR)

Dear Mr. Burris:

This letter is in response to your letter of April 3, 2001, requesting approval of the following:

1. an alternative monitoring parameter for the scrubber inlet gas flow;
2. permission to monitor the scrubber pH in the recirculation loop as it goes into the scrubber rather than the effluent from the scrubber;
3. flexibility in the frequency of LDAR inspections;
4. an exemption from inspecting and testing those components that are located in unsafe areas; and
5. permission to use the NCASI direct injection method for HAPS testing of foul condensates.

We would like to address each of your specific requests, in the order listed above.

1. As you know, the Westvaco facility in Evadale, Texas, is subject to the requirements of 40 C.F.R. 63 Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry, also known as the Cluster Rule. Your facility is requesting our approval of use of an alternative monitoring parameter instead of the scrubber inlet gas flow prescribed in 40 C.F.R. 63.453(c)(2) for the bleach plant.

Per 40 C.F.R. 63.453(m), a source or an operator may choose to adopt an alternative monitoring parameter to comply with the standards established in Subpart S, provided that a Continuous Monitoring System is in place and the source or operator establishes appropriate operating parameters to be monitored in such a way that it will demonstrate continuous compliance with the applicable control requirements to the satisfaction of the Administrator.

However, per 40 C.F.R. 63.458(b)(2), the authority for determination and use of an alternative monitoring parameter can not be transferred (delegated) to a State.

Based on the discussion of the alternative monitoring parameter issue in the EPA Q & A Document for the Pulp & Paper MACT (Volume 1, Pages 8-10), Region 6 agrees that adequate rationale for using an alternative parameter (as required in §63.453(n)), has been demonstrated. Therefore, Region 6 concurs with Westvaco's request to monitor the operation of the fan used to convey vent gases to the gas scrubber as an equivalent procedure to monitoring the inlet gas flow rate at the gas scrubber, and accordingly approves this specific request.

Allowable monitoring parameters of fan operation include fan motor amperage, on/off status, or rotational speed of the fan. If you choose to specifically monitor fan operation, we request that you perform the following in order to ensure compliance with Subpart S:

a) conduct annual negative pressure checks to ensure that the bleach plant scrubber fan induces the desired negative pressure across the system;

b) conduct monthly visual inspections under the Leak Detection and Repair plan provisions for the scrubber fan and associated process;

c) conduct periodic preventive maintenance of the bleach plant scrubber fan to ensure safe and proper operation of the system; and,

d) respond immediately to any signs or indications of visible emissions from the scrubber stack, washer hoods, or towers at the bleach plant.

If you choose to specifically monitor the fan motor amperage, we request that you perform the following additional tasks to ensure compliance with Subpart S:

a) continuously record/monitor the fan motor amperage loading to ensure proper rotational fan speed and pressure drop for the bleach plant scrubber fan; and,

b) perform a successful initial performance test to determine an acceptable range of electrical current (amps) within which the fan needs to be operated.

Furthermore, in case of future replacement of the fan blades or fan motor, you must demonstrate that gas flow rate to the scrubber has not increased as a result of changes to the fan

or conduct another performance test to ensure that the gas scrubber meets the emission limitations of the air permit.

Please be advised that this alternative monitoring determination shall by no means relieve you from complying with the applicable Recordkeeping and Reporting requirements established in 40 CFR 63.454 and 63.455 of Subpart S.

2. Regarding your request to monitor the scrubber pH in the recirculation loop as it goes into the scrubber rather than the effluent from the scrubber, we are still reviewing this request with Headquarters and have asked you to submit additional information, per our recent telephone conversation. Rather than delay the approval of other items in your request letter, we will address this item separately when a decision has been made.

3. Regarding your request for the flexibility of being allowed to make Leak Detection and Repair (LDAR) inspections once every calendar month, with consecutive inspections being a minimum of 14 days apart, we will approve the flexibility of LDAR inspections once every calendar month; however, to maintain consistency among other pulp and paper mills that have submitted similar requests, we will require that any two consecutive inspections be at least 21 calendar-days apart. If you can justify in writing why your mill must have a minimum of 14 days instead of a minimum of 21 days between consecutive inspections, we will reevaluate our position on this subject.

4. Regarding your request of an exemption from inspection and testing those components that are located in unsafe areas, 40 CFR 63.148(g) and (h) exempt a closed vent system, vapor collection system, fixed roof, cover, or enclosure that is designated as unsafe to inspect from certain leak inspection provision requirements.

The Occupational Safety and Health Administration (OSHA), Department of Labor, has set forth the requirements for employers to provide means of fall protection in 29 CFR 1926.501. Elevated pipe bridges, elevated pipes that run on the exterior of the building walls, pipes that run in the vicinity of pressurized or high temperature processes, pipes that run in areas with high potential for exposure to H_2S or chlorinated compounds, locations above 6 feet of OSHA approved catwalk, or work floor are examples of locations that are designated as unsafe or inaccessible, at these mills, for LDAR inspection purposes.

Based upon this, Region 6 concurs with Westvaco's request for an exemption from inspection those components that are located in unsafe areas, with the following provisions:

a) a site specific LDAR plan will be updated and maintained and shall include all locations at the mill that are deemed as unsafe or inaccessible to inspect with an explanation why a location is designated as unsafe to inspect;

b) an inspection of these unsafe or inaccessible locations will be made at least once every 5 years during the "safe-to-inspect" periods;

c) other mechanisms such as low volume high concentration gas collection systems, steam ejectors, and monitoring of steam valve positions are in place to strengthen the leak detection program in discovering leaks without performing visual inspections at locations designated as unsafe or inaccessible; and

d) this exemption from inspection of components located in unsafe/inaccessible areas does not relax or jeopardize the stringency of the existing requirements of Subpart S.

5. Regarding your request to use the NCASI direct injection method for HAPS testing of foul condensates, we are also reviewing this with Headquarters and will address this item separately.

We recommend that you share a copy of this determination letter with the appropriate State or local Title V permitting authority within your area for pending or future air permitting activities relevant to your mill. As a result, the permitting authority would be able to craft air permit conditions tailored specifically for your mill.

Should you have any questions regarding this determination letter, please contact me at (214) 665-7220 or Michelle Kelly of my staff at (214) 665-7580.

Sincerely yours,

John R. Hepola

John R. Hepola
Chief
Air/Toxic and Inspection
Coordination Branch

cc: Marion Everhart, TNRCC Region 10
Georgie Volz, TNRCC Region 10
Jeff Greif, TNRCC Headquarters

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

FEB 04 2002

Mr. Jeff Burris
Environmental Services Manager
Westvaco
Packaging Resources Group
P.O. Box 816
Silsbee, Texas 77656

RE: Request for Approval of Alternative Monitoring Parameter - Scrubber pH

Dear Mr. Burris:

This is a follow-up to the EPA Region 6 letter dated December 28, 2001, which was in response to your letter of April 3, 2001, requesting approval of alternative monitoring parameters and alternative requirements for Leak Detection and Repair.

The following two items from your original request required either additional information from Westvaco or input from EPA Headquarters:

1. Permission to monitor the scrubber pH in the recirculation loop as it goes into the scrubber rather than the effluent from the scrubber; and

2. Permission to use the NCASI direct injection method for HAPS testing of foul condensates.

This letter addresses only the first item. The second item will be addressed by EPA Headquarters directly in a separate letter.

Based upon the additional information you supplied to us on December 17, 2001, and our discussions with Headquarters, we hereby give you permission to monitor the scrubber pH in the recirculation loop as it goes into the scrubber rather than the effluent from the scrubber, enabling you to maintain the scrubbing potential of the solution and meet your permitted emission limits. If for some reason you are no longer able to demonstrate compliance with this control strategy, you must notify our office and the TNRCC Regional Office as soon as possible.

If you have any questions concerning this response, please contact me at (214) 665-7220 or Michelle Kelly of my staff at (214) 665-7580.

Sincerely yours,

John R. Hepola

John R. Hepola
Chief
Air/Toxic and Inspection
Coordination Branch

cc: Marion Everhart, TNRCC Region 10
Georgie Volz, TNRCC Region 10
Jeff Greif, TNRCC Headquarters

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

FEB 8 2002

Mr. Jeff Burris
Environmental Services Manager
Westvaco
Packaging Resources Group
P. O. Box 816
Silsbee, Texas 77656

Dear Mr Burris:

This is in response to your letter dated April 3, 2001, to John Hepola of Region 6 that requested several alternatives to testing and monitoring requirements under 40 CFR Part 63, Subpart S. Because the Office of Air Quality Planning and Standards rather than Region 6 is the delegated authority for approving major alternatives to compliance test methods, we are responding to your request for an alternative method to Method 305 required by 40 CFR 63.457(c)(3)(iii). You are proposing to use a procedure titled, "Selected HAPS in Condensates by GC/FID (NCASI Method DI/HAPS-99.01)," developed by the National Council for Air and Stream Improvement (NCASI) to analyze for acetaldehyde, methanol, propionaldehyde, and methyl ethyl ketone in condensate streams. I notified the NCASI by letter dated September 22, 2000, that this test method met Method 301 criteria for measuring these four HAPS in condensate streams, provided that the tester uses the appropriate correction factor. A copy of this letter is enclosed. Based on the data submitted by the NCASI and the similarity of the condensate streams for which you propose to use the method to the condensate streams from which the NCASI collected their supporting data, we are approving your request for use of this alternative test method at your facility in Evadale, Texas.

If you need further assistance, please contact Gary McAlister at (919) 541-1062.

Sincerely,

J. David Mobley, Acting Director
Emissions Monitoring and Analysis Division

Enclosures

cc: Mr. Stephen Shedd, EPA/OAQPS/ESD
Ms. Michelle Kelly, Region 6
Ms. Marion Everhart, TNRCC, Region 10
Ms. Georgie Volz, TNRCC Region 10
Mr. Jeff Greif, TNRCC Headquarters

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NC 27711

SEP 22 2000

Dr. Mary Ann Gunshefski
NCASI
Southern Regional Center
P.O. Box 141020
Gainesville, Florida 32614-1020

OFFICE OF
AIR QUALITY PLANNING
AND STANDARDS

Dear Dr. Gunshefski:

We have reviewed your report entitled, "EPA Method 301 Validation Report of the NCASI Method 'Selected HAPS in Condensates By GC/FID.' ". We agree with your conclusion that this method, in all of its variations, met Method 301 criteria for measuring acetaldehyde, methanol, propionaldehyde, and methyl ethyl ketone in samples from the pulp and paper mill condensate streams regulated under 40 CFR Part 63, Subpart S, Paragraph 446(b). I have summarized in the enclosed Tables 1-4 the correction factors for the individual HAP's for each of the four variations in the test method. During any future testing, the tester must document and use the appropriate correction factor to correct the data from the test method.

As we discussed, each specific source must make its own alternative test method request. However, we can and will consider the validation data that you submitted in evaluating an alternative method request from any source similar to the ones at which you collected your validation data.

For our records we would like to have an electronic file copy of the test method and the supporting report in Wordperfect 6.x format.

If you have any questions about our comments or you would like to meet to discuss them, please contact Gary McAlister of my staff at (919) 541-1062.

Sincerely,

J. David Mobley, Acting Director
Emissions, Monitoring and Analysis Division

cc: K. C. Hustvedt (MD-13)
Stephen A. Shedd (MD-13)
Jeffrey A. Telander (MD-13)

Enclosure

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

SEP 24 2002

Mr. Phillip C. Sparks
Environmental Services
MeadWestvaco Corporation
P O Box 816
Silsbee, Texas 77656

Re: NSPS Alternative Monitoring
MeadWestvaco Corporation (formerly known as Westvaco Texas L.P.)
Permit No. 20365 and PSD-TX-785M6, Account No. JC-0003-K

Dear Mr. Sparks:

This letter is in response to your letter dated July 19, 2002, to Mr. Richard Hughes of the Texas Natural Resource Conservation Commission (recently renamed the Texas Commission on Environmental Quality (TCEQ). Your letter was forwarded by Mr. Lawrence Buller of TCEQ on August 16, 2002, to the U.S. Environmental Protection Agency for a response since TCEQ is not delegated authority to issue alternative monitoring in this regard. In the letter, you requested the monitoring requirement specified in 40 CFR § 63.864(a)(2) of MACT Subpart MM be used as an alternative to that specified in 40 CFR § 60.284(b)(2)(ii) of NSPS Subpart BB. Along with this request, MeadWestvaco would also be able to unify monitoring and recordkeeping requirements if approved.

MeadWestvaco currently has three recovery boiler smelt dissolving tanks and one lime kiln subject to NSPS Subpart BB for wet scrubbers as emissions control devices, and anticipates more to be in operation in the future due to reconstruction or modification. The facility is also subject to MACT Subpart MM, promulgated on January 12, 2001.

40 CFR § 60.284(b)(2)(ii) requires continuous measurement of the scrubbing liquid supply pressure. 40 CFR § 63.864(a)(2) requires continuously monitoring and recording the pressure drop across the scrubber and the scrubbing liquid flow rate. From both provisions, the later requirement is at least as good as the former's. For your reference, you may review the requirements of wet scrubbers prescribed in Federal Register, Page 17762 of the April 11, 2002, issue for petroleum refineries.

This letter is to grant your request as stated above. If you have other questions concerning this response, you may contact Jim Yang of my staff at (214) 665-7578.

Sincerely yours,

John R. Hepola
Chief
Air/Toxics and Inspection
Coordination Branch

cc: Lawrence Buller, P.E., TCEQ

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JUL 25 2012

Mr. James C. Taylor
Team Leader, Engineering SBS
MeadWestvaco Corporation
Hwy 105 South
Evandale, Texas 77615

Re: Request for Alternate Opacity Monitoring for No. 6 Power Boiler
Title 40, Code of Federal Regulations (C.F.R.), Part 60, Subpart Db

Dear Mr. Taylor:

In a letter dated July 29, 2008, Westvaco Texas L.P. (Westvaco) requested approval of an alternate monitoring plan (AMP) for the continuous opacity monitoring system (COMS), which is required under 40 C.F.R. Part 60, Subpart Db. Power Boiler No. 6 at Westvaco's Evandale, Texas Mill is an affected facility under this regulation.

Particulate emissions from Power Boiler No. 6 are controlled by a venturi wet gas scrubber (WGS). According to your letter, moisture in the exhaust of the WGS interferes with the operations of the COMS. Therefore, you requested our approval of an AMP similar to the plan approved by EPA for Westvaco on October 19, 2000 under 40 C.F.R. 60, Subpart D. On May 29, 2012, at EPA's request, Westvaco updated the original AMP with additional data and included the use of a second continuous operating parameter limits (OPLs) that would ensure opacity compliance.

The EPA has reviewed the updated proposed alternative measures and approves the following as the minimum requirements for the alternative monitoring parameters:

1. Westvaco shall monitor and maintain the pressure drop across the wet gas scrubber according to the following equation:

   Minimum Pressure Drop (in H_2O) = 0.1x(% average boiler load) – 0.5

2. The minimum wet gas scrubber Liquid to Gas Ratio (L/G) shall equal 3.81 gallons of water per thousand pounds of gas per hour (gal/Kpph)

3. All monitored data shall be recorded as three-hour rolling averages, which are updated with hourly averages from the monitoring instruments.

4. All recorded data shall be maintained for a minimum of two (2) years and shall be made available to representatives from the EPA or the Texas Commission on Environmental Quality (TCEQ) upon request.

5. The demonstration of OPLs shall be periodically repeated at the same frequency as demonstration testing for the Title V renewal permit application.

If you have any questions or concerns about the AMP approval or data submittal requirements, please do not hesitate to contact Mr. Charles Handrich, of my staff, at (214) 665-6553.

Sincerely yours,

Esteban Herr

for David F. Garcia
Associate Director
Air/Toxics & Inspection
Coordination Branch

cc: Michael De La Cruz, TCEQ, MC-149
Jeffrey Greif, TCEQ, MC-163

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

JAN 3 1 2013

Mr. James C. Taylor
Team Leader, Engineering SBS
MeadWestvaco Corporation
Hwy 105 South
Evandale, Texas 77615

RE: Fuel Analysis Plan – Alternative Monitoring Plan (AMP)
Sulfur Dioxide (SO2) Emissions from No. 6 Power Boiler
Subject to 40 Code of Federal Regulations (C.F.R.) Part 60, Subpart Db
Westvaco Texas L.P. (Westvaco)

Dear Mr. Taylor:

This letter is in response to your request dated November 26, 2012, for review and approval of your Fuel Analysis Plan for monitoring sulfur content of fuels in lieu of SO_2 emissions monitoring, allowed under New Source Performance Standards (NSPS), Title 40 CFR Part 60, Subpart Db – *Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units* for which construction, reconstruction, or modification commenced after June 19, 1984. The United States Environmental Protection Agency (EPA) conditionally approves your Fuel Analysis Plan, as delineated within this letter.

Westvaco's No. 6 Power Boiler fires a combination of wood, natural gas, and gaseous fuels in order to produce steam for use in power generation, pulp and papermaking processes, and for heating purposes. 40 CFR 60.46b(k)(2) specifies the following:

> *Units firing only very low sulfur oil, gaseous fuel, a mixture of these fuels, or a mixture of these fuels with any other fuels with a potential SO_2 emission rate of 140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the SO_2 emissions limit in paragraph (k)(1) of this section.*

Accordingly, 40 CFR 60.45(k) allows compliance to be demonstrated by a fuel based compliance alternative of 40 CFR 60.49b(r).

Since Westvaco will continue to obtain and maintain fuel receipts for the other fuels combusted, the Fuel Analysis Plan ensures that data will be collected to demonstrate that the average percentage sulfur concentration in the wood fuel, plus three standard deviations, will not result in a combined fuel mixture that will exceed the sulfur emission limit of 0.32 pounds per million BTUs. Therefore, and in accordance with the criteria

outlined in 40 CFR 60.49b(r)(2), we approve Westvaco's proposed fuel analysis plan under the following conditions:

1. Monitoring of the sulfur content can be done once per quarter, provided the average plus three standard deviations does not exceed 0.065% sulfur.
2. If the average plus three standard deviations exceed 0.065% sulfur, monitoring shall be increased to monthly.
3. Once monitoring monthly, the frequency of monitoring can be reduced to quarterly after five successive monthly samples demonstrate an average plus three standard deviations is less than 0.065% sulfur.
4. If any single value exceeds 0.126% sulfur, the monitored fuel cannot be burned and the Environmental Protection Agency, Region 6 must be notified.
5. All recorded data shall be maintained for a minimum of two years and be made available to representatives from EPA or the appropriate state agency upon request.

If you have any questions or concerns about our conditional approval or data submittal requirements, please do not hesitate to contact Mr. Handrich of my staff at (214) 665-6553.

Sincerely,

Steve Thompson
Acting Associate Director
Air/Toxics & Inspection
Coordination Branch

cc: Michael De La Cruz, MC-149
Texas Commission on Environmental Quality (TCEQ)
Jeffrey Greif, MC-163

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

JAN 03 2013

Mr. James C. Taylor
Team Leader, Engineering SBS
MeadWestvaco Corporation
Hwy 105 South
Evandale, Texas 77615

RE: Alternative Monitoring Plan (AMP) Request, Adjusted Parameter Value for Prior AMP Approval – Parametric Monitoring in Lieu of Continuous Opacity Monitoring System (COMS) for #6 Power Boiler, Subject to Title 40, Code of Federal Regulations (CFR) Part 60 Subpart Db; Westvaco Texas L.P. (Westvaco) plant located in Evandale, Texas.

Dear Mr. Taylor:

This letter is in response to your request dated October 29, 2012, where you identified an error in a particular monitoring parameter that will require adjustment to one of the established limits in your existing AMP approval by our office dated July 25, 2012. Upon review of the information and data provided, the United States Environmental Protection Agency (EPA) hereby approves a change to the value of one of the operating limits established in the currently approved AMP (July 25, 2012) as delineated below.

Specifically, Westvaco noted an error in the monitored process data, which impacted the approved Minimum Liquid-to-Gas Ratio (L/G) operating parameter for the #6 Power Boiler Wet Gas Scrubber (WGS). The Minimum L/G needs correction *from 3.81* ***to 5.05*** *gallons of water per one thousand pounds of gas per hour*. All other operating parameter values remain the same.

If you have any questions or concerns about this change to your approved AMP, please do not hesitate to contact Mr. Handrich of my staff at (214) 665-6553.

Sincerely,

Steve Thompson
Acting Associate Director
Air/Toxics & Inspection
Coordination Branch

cc: Michael De La Cruz, TCEQ, MC-149
Jeffery Greif, TCEQ, MC-163

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NC 27711

JUL 24 2015

OFFICE OF
AIR QUALITY PLANNING
AND STANDARDS

Mr. James H. Gresham
Mill Manager
MeadWestvaco Corporation
P.O. Box 816
Silsbee, TX 77656

Dear Mr. Gresham:

This letter is in response to your letter of March 4, 2003, to the Texas Commission on Environmental Quality and EPA Region 6 and your follow up letter and re-request on October 11, 2007, which were forwarded to us by EPA Region 6 on April 10, 2015, for review and approval of alternative testing procedures to be applied to the turpentine decanter unit located in your Evadale Mill at 1913 FM 105, Evadale, Texas. The turpentine decanter unit is subject to 40 CFR part 63, Subpart S, National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry (Subpart S), in particular, section 63.457(b)(5)(i).

According to Subpart S, you must demonstrate 98 percent removal efficiency of methanol from the turpentine recovery system using Method 308 (40 CFR part 63, Appendix A) to measure methanol during your compliance tests. You explain that the control technology for your turpentine decanter is a series of three, 55-gallon drum carbon canisters. You also indicate that the design of the turpentine decanter maintains a constant level of recovered turpentine and the decanter generates no active air flow from the emission source through the control technology to the atmosphere. Thus, there is insufficient air flow through the control system to perform Method 308 unless a system upset were to occur.

Because the design of your control device combined with the operation of your turpentine decanter makes it impossible to conduct the Method 308 inlet and outlet testing as required by Subpart S, you propose to use Draeger® tubes that detect methanol at a detection limit of 25 ppm to measure breakthrough between the first and second carbon canisters on a monthly basis. Following a detection of breakthrough, you would reroute the emission gas stream from the decanter to the second carbon canister control and replace the first canister that demonstrated breakthrough.

We have reviewed your request and the associated rule language from Subpart S. In consideration of the fact that the required Method 308 testing is not applicable to the control system on your turpentine decanter, we are approving your request to use Draeger® tubes to measure breakthrough between the first and second carbon canisters of this control system as an

alternative to measuring methanol at the inlet and outlet of the system using Method 308. We approve this alternative tesing approach for methanol specifically for the carbon canister control system on your turpentine decanter at your Evadale Mill location only, with the following provisos:

- The carbon canister control system used to control the methanol emissions from the turpentine decanter will be evaluated for methanol breakthrough on a monthly basis using Draeger® tubes with a minimum detection limit not to exceed 25 ppm methanol. You must sequentially collect three such Draeger® tube samples following the tube manufacturer's instructions.
- If methanol breakthrough is detected in the emission gas stream after the first canister and before the second canister by any one of the three Draeger® tube samples, the facility must notify the appropriate regulatory authority and take appropriate action which may include replacing the first carbon canister prior to the next monthly breakthrough test.
- If methanol breakthrough is detected, you must also evaluate total system breakthrough by performing the alternative measurement procedure using Draeger® tubes, with a minimum detection limit not to exceed 25 ppm methanol. You must sequentially collect three Draeger® tube sample collections at the outlet of the third carbon canister. If breakthrough is detected at the outlet of the third carbon canister, this shall be considered an indication of non-compliance and you must notify the appropriate regulatory authority and take appropriate action, which may include replacing all three carbon canisters used in your control system as soon as practicable, to control your emissions.
- Monthly checks will be performed in each calendar month with at least three weeks (21 days) between each check.
- You must include a copy of this approval letter with required test plans and test reports for your turpentine decanter compliance demonstration.

If you have questions or need any further assistance regarding this matter, please contact Ray Merrill of my staff at (919) 541-5225 or at Merrill.raymond@epa.gov.

Sincerely,

James B. Hemby, Acting Group Leader
Measurement Technology Group

cc: John Bradfield, EPA/OAQPS/SPPD
Kelly Spence, EPA/OAQPS/SPPD
Cynthia J. Kaleri, EPA Region 6
Kathryn Sauceda, TCEQ Beaumont Regional Office
James H. Gresham, MeadWestvaco
Katherine Davis, MeadWestvaco

Appendix A

Acronym List

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

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

Appendix B

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					**Issuance Date:** March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
1	No. 2 Power Boiler Stack	VOC	20.00	87.60	6, 7, 16, 30, 31, 35, 36	3, 6, 7, 30, 31,35, 36, 38	6, 7, 36, 37
		NO_X	268.00	1173.80			
		SO_2	2.30	10.10			
		PM	58.46	240.90			
		PM_{10}	58.46	240.90			
		CO	190.00	832.30			
1	No. 2 Power Boiler Stack (Power Boiler 2 when firing non-condensible gases) (6)	VOC (9)	33.53	89.64	6, 7, 16, 30, 31, 35, 36	3, 6, 7, 30, 31,35, 36, 38	6, 7, 36, 37
		NO_X	268.00	---			
		SO_2	27.36	111.74			
		PM	58.46	---			
		PM_{10}	58.46	---			
		CO	190.00	---			
		TRS/H_2S	0.29	1.14			
3 and 4	No. 3 Recovery Boiler Stacks (both North and South Stacks)	VOC	14.00	60.00	5, 10, 25, 34, 36	5, 10, 25, 34, 36, 38	5, 36, 37
		NO_X	141.50	497.18			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		SO_2 (10)	74.98	327.40			
		PM	27.00	118.20			
		PM_{10}	27.00	118.20			
		CO	163.80	716.20			
		TRS (10)	4.00	17.40			
		H_2S	4.00	17.40			
		H_2SO_4	9.73	42.16			
		Fluorides	0.14	0.61			
		HCl	0.72	3.16			
5A	Black Liquor Soap Separator Tank	VOC	0.36	1.58			
		TRS	0.11	0.48			
		H_2S	0.02	0.08			
5B	No. 3 Smelt Dissolving Tank	VOC	14.07	60.95	7, 10, 11, 32, 33	7, 11, 32, 33, 38	7, 11, 37
		NO_X	1.70	7.30			
		SO_2	6.70	29.20			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM	5.91	25.60			
		PM_{10}	5.91	25.60			
		TRS	1.70	7.40			
		H_2S	1.70	7.40			
7	No. 7 Lime Kiln ESP Stack	VOC	5.00	21.02	5, 7, 19, 20, 28, 34, 36	5, 7, 20, 28, 34, 36, 38	5, 7, 36, 37
		NO_X	51.71	217.44			
		SO_2 (10)	12.83	53.95			
		PM	6.78	29.13			
		PM_{10}	6.78	29.13			
		CO	13.58	57.12			
		TRS (10)	0.95	3.99			
		H_2S	0.95	3.99			
		H_2SO_4	0.13	0.55			
13	No. 4 Lime Slaker Stack	VOC	0.13	0.59			
		PM	1.37	6.00			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	1.37	6.00			
16A	No. 7 Lime Slaker Stack	VOC	0.31	1.29			
		PM	1.37	5.76			
		PM_{10}	1.37	5.76			
19A	No. 1 Starch Unload	PM	0.09	0.13			
		PM_{10}	0.09	0.13			
19B	No. 2 Starch Unload	PM	0.09	0.13			
		PM_{10}	0.09	0.13			
19C	No. 3 Starch Unload	PM	0.09	0.13			
		PM_{10}	0.09	0.13			
26	No. 4 Recovery Boiler Stack (includes Nos. 4S and 4N Smelt Dissolving Tanks)	VOC	17.90	78.40	5, 7, 10, 25, 32, 33, 34, 36	5, 7, 10, 25, 32, 33, 34, 36, 38	5, 7, 36, 37
		NO_X	171.60	751.60			
		SO_2 (10)	119.40	522.90			
		PM	50.00	219.00			
		PM_{10}	50.00	219.00			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		CO	261.10	1143.80			
		TRS (10)	6.30	27.80			
		H_2S	6.30	27.80			
		H_2SO_4	12.80	56.00			
		Fluorides	0.30	1.31			
		HCl	1.31	5.74			
43	No. 1 Lime Kiln Stack	VOC	2.21	7.26	7, 19, 20, 28, 32, 33, 36	7, 19, 20, 28, 32, 33, 36, 38	7, 36, 37
		NO_X	35.02	115.04			
		SO_2 (10)	4.38	14.39			
		PM	12.16	39.95			
		PM_{10}	12.16	39.95			
		CO	9.14	30.02			
		TRS (10)	0.53	1.74			
		H_2S	0.53	1.74			
		H_2SO_4	0.08	0.26			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					**Issuance Date:** March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
44	Wood Cyclone (Pine)	PM	0.07	0.30			
		PM_{10}	0.07	0.30			
45	Wood Cyclone (Hard)	PM	0.24	1.03			
		PM_{10}	0.24	1.03			
46	Wood Cyclone (Total)	PM	0.51	2.16			
		PM_{10}	0.51	2.16			
48	Lime Handling System (3 Silos: 24-2058, 24-2106, and 24-2107)	PM	0.07	0.31			
		PM_{10}	0.07	0.31			
50	No. 6 Power Boiler Stack	VOC (9)	31.85	44.37	5, 6, 7, 16, 27, 30, 31, 35, 36	3, 5, 6, 7, 16, 27, 30, 31, 35, 36, 38	5, 6, 7, 36, 37
		NO_X (11)	238.85	1023.40			
		SO_2	27.87	40.94			
		PM	79.62	341.13			
		PM_{10}	79.62	341.13			
		CO	370.21	1586.28			
		TRS/H_2S	0.29	1.14			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					**Issuance Date:** March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
51	No. 5 Power Boiler Stack	VOC	3.07	13.45	5, 7, 16, 17, 26	2, 5, 7, 16, 17, 26, 38	5, 7, 37
		NO_X	17.17	74.20			
		SO_2	0.20	0.80			
		PM	2.60	10.75			
		PM_{10}	2.60	10.75			
		CO	30.50	---			
		CO (MSS)(7)	150.00	---			
		CO (Annual)	---	133.59			
70	No. 4 Bleach Plant (BP) Scrubber Stack	VOC	10.50	45.99	7, 21, 36	7, 21, 36, 38	7, 36, 37
		CO	108.00	473.00			
		Chlorine	0.41	1.80			
		Chlorine Dioxide	0.34	1.49			
		HCl	0.19	0.75			
71	No. 4 BP E_{OP} Tower/Wash Press Stack	VOC	3.91	17.13			
		CO	9.09	35.76			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
71A	No. 4 BP E_{OP} Filtrate Tank Stack	VOC	0.05	0.20			
73	No. 5 BP E_{OP} Tower Stack	VOC	2.42	10.61			
		CO	6.56	26.78			
73A	No. 5 BP E_{OP} Filtrate Tank Stack	VOC	1.82	7.96			
77	No. 4 BSW Diffusion Washer Vent	VOC	26.70	117.10			
		TRS	0.01	0.01			
		H_2S	<0.01	<0.01			
78	No. 5 BSW Diffusion Washer Vent	VOC	37.40	164.00			
		TRS	<0.01	<0.01			
		H_2S	<0.01	<0.01			
81	Diesel Loading/Unloading	VOC	0.10	<0.01			
82	Gasoline Loading/Unloading	VOC	3.26	0.03			
75	No. 5 BP Scrubber Stack	VOC	2.33	10.20	7, 21, 36	7, 21, 36, 38	7, 36, 37

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					**Issuance Date:** March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		CO	152.00	664.00			
		HCl	0.21	0.84			
		Chlorine	0.41	1.80			
		Chlorine Dioxide	0.34	1.49			
91	ClO_2 Generator Tail Gas Scrubber Vent	VOC	0.50	2.32			
		Chlorine	0.02	0.09			
		Chlorine Dioxide	0.20	0.88			
92	Methanol Storage Tank	VOC	0.26	1.14			
F100/101	Effluent Treatment System (5)	VOC	46.75	122.51	14, 15		
102	Turpentine Loading	VOC	0.04	0.01			
103	Soap Loading	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
1LMF-FUG	No. 1 Precoat Filter Vent (5)	VOC	0.10	0.43			
1PFVPE-1	No. 1 Precoat Filter	VOC	0.16	0.66			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Vacuum Pump Exhaust						
3LMF-FUG	No. 3 Precoat Filter Vent (5)	VOC	0.11	0.45			
3PFVPE-1	No. 3 Precoat Filter Vacuum Pump Exhaust	VOC	0.16	0.66			
4LMF-FUG	No. 4 Precoat Filter Vent (5)	VOC	0.09	0.36			
4PFVPE-1	No. 4 Precoat Filter Vacuum Pump Exhaust	VOC	0.38	1.59			
4WLC-1	No. 4 White Liquor Clarifier	VOC	0.41	1.80			
4EWLFT-1	No. 4 Ecofilter Mudwasher	VOC	0.01	0.04			
5GLC-1	No. 5 Green Liquor Clarifier	VOC	1.20	4.76			
		TRS	<0.01	0.02			
5WLC-1	No. 5 White Liquor Clarifier	VOC	0.40	1.75			
6GLC-1	No. 6 Green Liquor	VOC	1.26	5.52			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					**Issuance Date:** March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Clarifier	TRS	<0.01	0.02			
6WLC-1	No. 6 White Liquor Clarifier	VOC	0.40	1.67			
7GLC-1	No. 7 Green Liquor Clarifier	VOC	2.87	12.06			
		TRS	0.01	0.05			
CP-FUG	Coating Plant (5)	VOC	26.67	115.56			
PM-FUG	Paper Machines (5)	VOC	73.48	250.95			
		NO_X	5.72	22.12			
		SO_2	0.03	0.13			
		PM	0.43	1.68			
		PM_{10}	0.43	1.68			
		CO	4.81	18.58			
SST2RB	Spill Tank (Small, Under No. 2 RB)	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
5WBLT	No. 2 Rec. No. 1 Wk. Blk	VOC	0.05	0.25			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Liquor ST Tank N	TRS	<0.01	<0.01			
6WBLT	No. 6 Weak Black Liquor Storage Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
19-2039	No. 4 Evaporators Soap Separator Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
5RST	No. 5 Reclaim Tank WBL	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
40-2004	No. 4 Diffusion BSW Filtrate Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
40-2021	No. 4 Screen Dilution Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
19-2079	No. 2 Rec. Filtered Weak Black Liquor Storage Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
1WBLT	Weak Black Liquor (HW)Tank (No. 1)	VOC	0.05	0.25			
		TRS	<0.01	<0.01			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					Issuance Date: March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
19-2082	No. 2 Recovery Light Soap Storage Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
2WBLT	No. 2 Weak Liquor Storage Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
19-2084	No.4 Recovery Soap Storage Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
40-2100	No. 2 Foam Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
8WBLT	No. 8 Weak Black Liquor Storage	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
5AWBLT	No. 5 Weak Black Liquor Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
7WBLT	No. 7 Weak Black Liquor Storage Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
9WBLT	No. 9 Weak Black Liquor	VOC	0.05	0.25			

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Storage Tank	TRS	<0.01	<0.01			
50-2004	No. 5 FL Filtrate Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
50-2016	No. 5 Decker Filtrate Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
50-0463	No. 5 Vibrating Knotter	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
40-0163	No. 4 Vibrating Knotter	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
50-2021	No. 5 Screen Dilution Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
50-2066	No. 5 FL Unfilt. Weak Black Liquor Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
6HBLT	No. 6 55 Percent Black Liquor Storage Tank S	VOC	0.05	0.25			
		TRS	<0.01	<0.01			

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
71-2003	No. 2 Rec. Soap Storage Tank Btwn. Heavy Liquor Tank	VOC	0.05	0.25			
		TRS	<0.01	<0.01			
LTKVNT	Liquor Tank Vent (FINs 19-2029, 19-2030, 19-2038, 26-2011, and 26-2012)	VOC	1.54	6.74			
		TRS	0.90	3.94			
		H_2S	0.24	1.05			
19-2080	No. 2 Recovery Concentrated Soap Tank	VOC	0.31	1.35			
		TRS	0.18	0.79			
		H_2S	0.05	0.21			
1HBLT	No. 1 Black Liquor Storage Tank	VOC	0.31	1.35			
		TRS	0.18	0.79			
		H_2S	0.05	0.21			
2RBDT	No. 2 Recovery Heavy Black Liquor Dump Storage Tank	VOC	0.31	1.35			
		TRS	0.18	0.79			
		H_2S	0.05	0.21			
2RBUT	No. 2 Recovery Heavy	VOC	0.31	1.35			

Major NSR Summary Table

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Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	Black Liquor Use Tank	TRS	0.18	0.79			
		H_2S	0.05	0.21			
71-2002	No. 5 55 Percent Black Liquor Storage Tank N	VOC	0.31	1.35			
		TRS	0.18	0.79			
17-2230	Brownstock Storage For No. 1 PM	VOC	0.28	1.21			
		TRS	0.06	0.27			
		H_2S	<0.01	0.03			
FL4BFT	No. 4 FL Brownstock HD Storage Tank	VOC	0.29	1.21			
		TRS	0.06	0.27			
		H_2S	<0.01	0.03			
40-2016	No. 4 Decker Filtrate Tank	VOC	0.29	1.21			
		TRS	0.06	0.27			
		H_2S	<0.01	0.03			
40-2022	No. 4 Bleach Feed Tank	VOC	0.29	1.21			
		TRS	0.06	0.27			

Major NSR Summary Table

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		H_2S	<0.01	0.03			
50-2001	No. 5 FL HD Stock Tank	VOC	0.29	1.21			
		TRS	0.06	0.27			
		H_2S	<0.01	0.03			
50-2022	No. 5 FL Bleach Feed Tank	VOC	0.29	1.21			
		TRS	0.06	0.27			
		H_2S	<0.01	0.03			
No. 4-1 CZXR	No. 4-1 Causticizer Tank	VOC	0.14	0.55			
No. 4-2 CZXR	No. 4-2 Causticizer Tank	VOC	0.14	0.55			
No. 4-3 CZXR	No. 4-3 Causticizer Tank	VOC	0.14	0.55			
No. 7-1 CZXR	No. 7-1 Causticizer Tank	VOC	0.10	0.43			
No. 7-2 CZXR	No. 7-2 Causticizer Tank	VOC	0.10	0.43			
No. 7-3 CZXR	No. 7-3 Causticizer Tank	VOC	0.10	0.43			
RGLT	Raw Green Liquor Storage Tank	VOC	0.09	0.37			
		TRS	<0.01	0.02			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
GLST	Green Liquor Stabilization Tank	VOC	0.09	0.37			
		TRS	0.01	0.01			
24-2028	Dregs Thickener Feed Tank	VOC	0.004	0.02			
		TRS	<0.01	<0.01			
24-0372	Dreg Filter Vacuum Pump Exhaust	VOC	0.004	0.02			
		TRS	<0.01	<0.01			
24-2068	Dreg Storage	VOC	0.004	0.02			
		TRS	<0.01	<0.01			
24-2031	No. 1 White Liquor Storage Tank	VOC	0.41	1.72			
24-2029	No. 2 White Liquor Storage Tank	VOC	0.41	1.72			
24-2062	No. 3 White Liquor Storage Tank	VOC	0.45	1.81			
4EWLFT-1	No. 7 White Liquor (Ecofilter) Clarifier	VOC	1.03	4.33			
24-2016	No. 2 Weak Wash Tank	VOC	0.74	3.03			

Major NSR Summary Table

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			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
24-2027	No. 1 Weak Wash Tank	VOC	0.74	3.03			
24-2030	No. 1 White Liquor Clarifier	VOC	0.41	1.72			
24-2098	Weak Wash Standpipe	VOC	0.74	3.03			
24-2020	No. 1 Mud Storage Tank	VOC	<0.01	0.02			
24-2021	No. 2 Mud Washer	VOC	<0.01	0.02			
24-2024	No. 1 Mud Washer	VOC	<0.01	0.02			
24-2019	No. 2 Mud Storage Tank	VOC	<0.01	0.02			
24-2017	No. 3 Mud Washer	VOC	<0.01	0.02			
24-2022	No. 3 Mud Storage Tank	VOC	<0.01	0.02			
24-2047	No. 4 Lime Mud Washer	VOC	<0.01	0.02			
24-2050	No. 5 Mud Washer	VOC	0.01	0.04			
24-2094	No. 7 Kiln Lime Mud Dilution Tank	VOC	0.01	0.04			
24-2095	No. 7 Kiln Lime Mud Mix Tank	VOC	0.01	0.04			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
24-2097	No. 7 Lime Mud Storage Tank	VOC	0.01	0.04			
24-2026	Sewer Reclaim Tank	VOC	<0.01	0.01			
19-2104	No. 2 Recovery Salt Cake Mix Tank	VOC	0.01	0.05			
		TRS	0.16	0.70			
		H_2S	0.05	0.21			
19-2091	No. 3 Recovery Salt Cake Mix Tank	VOC	0.02	0.07			
		TRS	0.16	0.70			
		H_2S	0.05	0.21			
17-2047	No. 1 PM Prime Pine Row Stock Storage Tank	VOC	0.02	0.09			
18-2003	Standard Pine Tank	VOC	0.02	0.09			
17-2006	No. 1 PM Broke Tank	VOC	0.02	0.09			
34-2078	Hardwood Raw Stock Storage Tank No. 134	VOC	0.02	0.09			
34-2079	No. 2 PM North Broke Tank	VOC	0.02	0.09			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
54-2058	Bufloc 2121 Tank	Surfactant	<0.01	<0.01			
54-2049	Busperse 2049 Tank	VOC	0.0072	0.0314			
GEN1	Emergency Generator 385-hp Natural Gas Engine	VOC	0.41	0.18			
		NO_X	14.34	6.28			
		SO_2	<0.01	<0.01			
		PM_{10}	<0.01	<0.01			
		CO	1.11	0.49			
54-2101	S/W Raw Stock	VOC	0.02	0.09			
54-2102	H/W Raw Stock	VOC	0.02	0.09			
18-2004	PM Recycle Broke Tank	VOC	0.02	0.09			
40-2039	No. 5 HD, PM Broke Tank	VOC	0.02	0.09			
54-2111	Broke Chest	VOC	0.02	0.09			
40-2028	Bleached Hardwood – Jumbo Storage	VOC	0.02	0.09			
40-2034	Bleached Hardwood –	VOC	0.02	0.09			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
	South Storage						
40-2035	Bleached Hardwood – North Storage	VOC	0.02	0.09			
40-2087	Bleached Pine – Southeast Storage	VOC	0.02	0.09			
40-2088	Bleached Pine – East Storage	VOC	0.02	0.09			
40-2089	Bleached Pine -West Storage	VOC	0.02	0.09			
40-2040	Reserve – Bleached Tower	VOC	0.02	0.09			
40-2061	Reserve – 151 Ton Stock Tank	VOC	0.02	0.09			
40-2070	No. 2 Filtrate Tank Reserve	VOC	0.02	0.09			
40-2071	No. 3 Filtrate Tank Reserve	VOC	0.02	0.09			
40-2079	Reserve – Bleached Tower	VOC	0.02	0.09			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
40-2084	Reserve – Bleached Tower	VOC	0.02	0.09			
40-2085	Reserve – Bleached Tower	VOC	0.02	0.09			
24-2043	Muriatic Acid Tank at No. 7 Kiln	HCl	0.01	<0.01			
24-2061	Recaust Muriatic Acid Tank	HCl	0.01	<0.01			
71-2422	Oil – Used Oil Storage Tank	VOC	2.00	0.01			
80-2883	Insolubilizer Storage Tank	VOC	0.10	<0.01			
80-2879	No. 1 Lubricant Storage Tank	VOC	2.00	<0.01			
80-2880	No. 2 Lubricant Storage Tank	VOC	2.00	<0.01			
71-2423	Oil – Lubricant Tank	VOC	2.00	0.01			
71-2424	Oil – Lubricant Tank	VOC	2.00	0.01			
71-2425	Oil –Hydraulic Tank	VOC	2.00	0.01			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
71-2108	Lubricating/Hydraulic Oil Reservoirs - Millwide	VOC	2.00	0.01			
17-2048	No. PM Rosin Tank East	VOC	0.60	0.08			
		TRS	0.06	0.01			
30-2976	Rosin Size Storage Tank	VOC	0.60	0.08			
		TRS	0.06	0.01			
30-2603	Chlorate Storage	Sodium Chlorate	1.30	1.89			
30-2606	Chlorate Storage	Sodium Chlorate	1.30	1.89			
40-2048	R-2 Chlorate Mix Tank Reserve	Sodium Chlorate	1.30	0.15			
71-2544	Actibrome Tank – Drinking Water	Sodium Bromide	6.30	0.08			
71-2545	Actibrome Tank – West Side	Sodium Bromide	6.30	0.08			
40-2041	Reserve – Bleach Tower	VOC	0.02	0.09			
17-2003	No. 1 PM Rosin Tank – West	VOC	0.60	0.08			
		TRS	0.06	0.01			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
24-2096	No. 7 Kiln Sulfamic Acid Mix Tank	Sulfamic Acid	0.04	<0.01			
17-2007	No. 1 Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.01			
21-2119	98 Percent Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.01			
30-2601	CLO_2 Plant 98 Percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.01			
40-2038	98 Percent Sulfuric Acid Bulk Tank	H_2SO_4	0.04	0.01			
50-2043	No. 4/5 FL 98 Percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.01			
40-2167	Turpentine Decanter Tank	VOC	0.02	0.10			
21-2031	No. 5 Cation Tank	H_2SO_4	0.04	0.01			
21-2032	No. 4 Cation Tank	H_2SO_4	0.04	0.01			
21-2033	No. 3 Cation Tank	H_2SO_4	0.04	0.01			
21-2035	No. 1 Cation Tank	H_2SO_4	0.04	0.01			

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			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
86-2000	Actibrome Tank – Woodyard	Sodium Bromide	6.30	0.08			
86-4000	Actibrome Tank at ClO_2 Plant	Sodium Bromide	6.30	0.08			
BY-FUG	Bark Yard (5)	PM	0.60	2.64			
		PM_{10}	0.28	1.25			
WY-FUG	Woodyard (5)	PM	0.34	1.52			
		PM_{10}	0.06	0.27			
17-2004	No. 1 PM Reserve Tank	VOC	0.15	0.01			
99-0634	No. 5 FL Formic Acid Tank	Formic Acid	2.00	0.02			
21-2024	Nalco Product	Polyquartenary Amine	0.50	0.95			
99-0474	Caustic Soap Tank	VOC	0.63	0.02			
99-0475	Caustic Soap Tank	VOC	0.63	0.02			
705-760-210	Liquid Fuel Storage Tank	VOC	<0.01	0.01			

Major NSR Summary Table

Permit Numbers 20365 and PSDTX785M7					**Issuance Date:** March 19, 2019		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
PB6-FUG	No. 6 Power Boiler Ash Silo Baghouse	PM_{10}	0.28	1.23			
80-2940	Clay Slurry Tank	VOC	0.01	0.01			
PB2-FUG	No. 2 Power Boiler Ash Silo Stack	PM	0.03	0.13			
		PM_{10}	0.03	0.13			
		$PM_{2.5}$	0.03	0.13			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
TRS - total reduced sulfur
H_2S - hydrogen sulfide
H_2SO_4 - sulfuric acid
HCl - hydrochloric acid
MSS - maintenance, startup, and shutdown
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Additional long-term SO_2, VOC, and TRS/H_2S authorized only when No. 2 Power Boiler is burning non-condensible gases.

(7) During routine MSS activities only for a maximum of 10 hours per occurrence.
(8) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit alteration issued on April 12, 2013.
(9) Spent Caustic Tank (formerly EPN 40-2029) with 0.05 lb/hr and 0.02 tpy of VOC now vents to EPN 1 or EPN 50.
(10) Hourly emissions are based on 12-hour averages.
(11) Hourly emissions are based on 30-day rolling averages.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 25, 2022

MR STEPHEN MORGAN
GENERAL MANAGER
WESTROCK TEXAS LP
PO BOX 816
SILSBEE TX 77656-0816

Re: Permit Alteration
Permit Number: 20365
Expiration Date: January 11, 2028
WestRock Texas, LP
Pulp And Paper Mill
Evadale, Jasper County
Regulated Entity Number: RN102157609
Customer Reference Number: CN601549496

Dear Mr. Morgan:

WestRock Texas, LP has requested alteration of the representations of the above-referenced permit. We understand that you are requesting to expand the plant's footprint to include the area of parcel currently occupied by lagoon A1. Additionally, you have requested that aeration in lagoon A1 be moved to aerate lagoons A2, A3, and A4. The request also includes the addition of ten aerators. Upon authorization of the revision request, A2 lagoon will have 35 aerators, A3 lagoon will have 30 aerators and A4 lagoon will have 21 aerators for a total of 86 aerators.

In accordance with Title 30 Texas Administrative Code §116.116(c), Permit Number 20365 is altered. Please attach this letter to your permit.

If you need further information or have any questions, please contact Ms. Kristyn Jacher at (512) 239-1241 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number: 20365

Sincerely,

Samuel Short, Deputy Director
Air Permits Division
Office of Air

Enclosure

cc: Air Section Manager, Region 10 - Beaumont

Project Number: 340820

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
WestRock Texas, L.P.
Authorizing the Construction and Operation of
Pulp and Paper Mill
Located at **Evadale, Jasper County, Texas**
Latitude 30° 20' 31" Longitude −94° 3' 54"

Permit: 20365
Revision Date: March 19, 2019
Expiration Date: January 11, 2028

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 20365 and PSDTX785M7

Emission Standards

1. This permit covers those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in the attached table. In addition, this permit authorizes all emissions from planned startup and shutdown activities associated with facilities or groups of facilities that are authorized by this permit.

Fuel Specifications

2. The No. 5 Power Boiler (Emission Point Numbers [EPN] 51) shall be fired only with pipeline-quality natural gas. Use of any other fuel will require prior approval of the Executive Director of the TCEQ. Compliance with this condition shall be demonstrated by obtaining and maintaining a vendor statement that the gas purchased meets these specifications. A new statement shall not be required unless a new supplier is employed.

3. Material combusted in the Nos. 2 and 6 Power Boilers (EPNs 1 and 50) shall be limited to pipeline-quality natural gas; bark/wood biomass (bark, wood chips, sawdust, wood residuals, rice hulls, wastewater treatment residuals); non-condensable gases (NCGs); and creosote-treated wood. Use of any other auxiliary fuel, other than those specified in this condition, shall require prior written approval of the TCEQ Executive Director.

4. The Nos. 3 and 4 Recovery Boilers (EPNs 3, 4, and 26) shall not exceed a 10% annual capacity factor for natural gas usage. **(03/19)**

Federal Applicability

5. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources in Title 40 Code of Federal Regulations (40 CFR) Part 60, specifically the following: **(03/19)**

   A. Subpart A - General Provisions;

   B. Subpart BB – Kraft Pulp Mills Generators (Nos. 3 and 4 Recovery Boilers, Nos. 4N and 4S Smelt Dissolving Tank, No. 7 Lime Kiln, Digester System, and Evaporators); and

   C. Subpart Db – Industrial-Commercial-Institution Steam Generating Units (Nos. 5 and 6 Power Boilers).

6. These facilities shall comply with all applicable requirements of the EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 61, specifically the following:

   A. Subpart A - General Provisions; and

   B. Subpart E – Mercury (Nos. 2 and 6 Power Boilers).

7. These facilities shall comply with all applicable requirements of the EPA Regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63, specifically the following:

A. Subpart A - General Provisions;

B. DDDDD – Industrial, Commercial, and Institutional Boilers and Process Heaters (No. 5 Power Boiler, Nos. 2 and 6 Power Boilers);

C. Subpart S – Pulp and Paper Industry (No. 4 Bleach Plant Scrubber and No. 5 Bleach Plant Scrubber); and

D. Subpart MM – Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills (Lime Kiln Nos. 1 and 7, Recovery Furnace Nos. 3 and 4, and Smelt Dissolving Tank Nos. 3, 4N, and 4S).

Operational Limitations, Work Practices, and Plant Design

8. Emission rates are based on and the facilities shall be limited to a 12-month calendar average throughput of 3,125 tons per day of finished product from the paper machines.

9. The facilities are authorized to operate up to 8,760 hours per year.

10. Stack emissions and operating conditions for Recovery Boilers and Dissolving Tanks during production operations shall be limited to the following values:

Table 1: Operating Conditions for Recovery Boilers and Dissolving Tanks

Table 1: Recovery Boilers			
Unit	**Parameter**	**Standard**	**Notes**
No. 3 Recovery Boiler	TRS	5 ppm @ 8 percent O_2	12-hour block average
	SO_2	50 ppm @ 8 percent O_2	12-hour block average
	NO_x	80 ppm @ 8 percent O_2	1-hour average
	CO	250 ppm @ 8 percent O_2	1-hour average
	VOC	50 ppm @ 8 percent O_2	1-hour average
	Opacity	20 percent	30 TAC Chapter 111*
No. 4 Recovery Boiler	TRS	5 ppm @ 8 percent O_2	12-hour block average

Table 1: Recovery Boilers			
Unit	**Parameter**	**Standard**	**Notes**
	SO_2	50 ppm @ 8 percent O_2	12-hour block average
	NO_x	100 ppm @ 8 percent O_2	1-hour average
	CO	250 ppm @ 8 percent O_2	1-hour average
	VOC	40 ppm @ 8 percent O_2	1-hour average
	Opacity	20 percent	30 TAC Chapter 111*
No. 3 Smelt Dissolving Tank	Opacity	20 percent	30 TAC Chapter 111*
	VOC	40 ppm @ 8 percent O_2	1-hour average
	Pressure Drop	6.3 inch H_2O	Minimum; Continuously recorded; 3-hour rolling average
	Opacity	5 percent	Averaged over six minutes; see Special Condition No. 10
No. 4 South Smelt Dissolving Tank	Pressure Drop	6.6 inch H_2O	Minimum; Continuously recorded; 3-hour rolling average
No. 4 North Smelt Dissolving Tank	Pressure Drop	6.6 inch H_2O	Minimum; Continuously recorded; 3-hour rolling average

* Except for those periods described in Title 30 Texas Administrative Code (30 TAC) §§ 101.201 and 101.211. Opacity shall not exceed the limits set forth in 30TAC Chapter 111, Control of Air Pollution from Visible Emissions and Particulate Matter, during planned MSS.

O_2	-	oxygen
CO	-	carbon monoxide
VOC	-	volatile organic compounds
H_2O	-	water
30 TAC	-	Title 30 Texas Administrative Code

ppm - parts per million

Standards for the Recovery Boiler No. 4 stack apply only to emissions generated from the recovery boiler (not emissions generated from the smelt tank).

11. If the opacity of emissions from the Smelt Tank Scrubber Stack (EPN 5B) exceeds 5 percent averaged over a six-minute period, sampling will be required. Upon being informed by the TCEQ Executive Director that the staff has documented visible emissions from the smelt dissolving tank scrubbers exceeding 5 percent opacity averaged over six consecutive minutes, the holder of this permit shall, within 60 days, conduct stack sampling analyses or other tests to prove satisfactory equipment performance and demonstrate compliance with applicable emissions allowables. Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual or in accordance with applicable EPA Code of Federal Regulation procedures. Any deviation from those procedures must be approved by the TCEQ Executive Director prior to sampling.

12. Storage and process tanks shall store or process only the compounds represented in the permit file except as provided in the Chemical Flexibility Section and shall emit in the fashion represented, i.e., exhaust directly to the atmosphere, into a building, or to a control device. Furthermore, there shall be no visible emissions from the tanks.

13. The following Permit by Rule (PBR) /Standard Exemption (SE) registrations are incorporated by reference into this permit and shall remain in effect:

Table 2: PBR/SE Registrations Incorporated by Reference

PBR/ REGISTRATION NO.	PERMIT TYPE	DATE	AFFECTED SOURCES	EMISSIONS
N/A	SE 51 & 106.118	04/04/1994	7 Storage Tanks	VOC
N/A	SE 7	08/10/1995	Infrared Drier	NO_X, CO, VOC, PM
33941	106.118	11/20/1996	Wood-Fuel Boilers	Biomass Combustion Products
110879	106.264	10/30/1997	Black Liquor Tank	VOC
44406	116.617	08/22/2000	Seal Tank (for No. 4 Evaporator) turpentine underflow decanter & condensate standpipe	Pulping Process Condensates
110853	106.472	03/30/2001	Sulfuric Acid Tank	Sulfuric Acid Vapors
N/A	106.472	05/31/2001	No. 5 PM Sulfuric Acid Storage Tank	N/A

PBR/ REGISTRATION NO.	PERMIT TYPE	DATE	AFFECTED SOURCES	EMISSIONS
49029	106.262	11/05/2001	Two 230-gal tanks: EPNs 40-2405 & 50-2405	0.00115 pounds per hour (lb/hr) & 0.000263, tons per year (tpy) H_2O_2 vapors
50800	106.452	05/14/2002	Sand Blast Area 2	10.25 lb/hr & 6.15 tpy PM, 3.25 lb/hr & 1.95 tpy PM_{10}
50802	106.433	05/14/2002	Surface Coating Area 1	6 lb/hr VOC & 1.3 tpy of Exempt Solvent, 13 tpy VOC & 1.3 tpy Exempt Solvent
50799	106.452	02/22/2002	3 Dry Abrasive Cleaning Areas	10.25 lb/hr & 6.15 tpy PM, 3.25 lb/hr & 1.95 tpy PM_{10}
50801	106.452	05/23/2002	3 Dry Abrasive Cleaning Areas	10.25 lb/hr & 6.15 tpy PM, 3.25 lb/hr & 1.95 tpy PM_{10}
50803	106.433	05/23/2002	Surface Coating Area 2	6 lb/hr VOC & 0.6 tpy of Exempt Solvent, 6.0 tpy VOC & 0.7 tpy Exempt Solvent 3.6 tpy PM
N/A	106.472	06/11/2002	No. 5 PM AKD Tank North and No. 5 PM AKD Tank South	N/A
70229	106.263	12/08/2003	Roof Replacement for No. 1 & No. 2 Paper Machine Building	7.31 tpy VOC, 6.50 tpy PM
70297	106.261	12/09/2003	70 gallons per minute (gpm) starch cooker for the No. 5 Paper Machine	0.0120 tpy VOC, 0.284 tpy NO_X, 0.00549 tpy CO, 0.00381 tpy SO_2, 0.0482 tpy PM
70534	106.261	01/15/2004	6,350 gal. Biocide Tank	0.0001247 tpy VOC

PBR/ REGISTRATION NO.	PERMIT TYPE	DATE	AFFECTED SOURCES	EMISSIONS
86620	106.261, 106.262 & 106.472	11/04/2008	Installation of a system to remove chlorides from black liquor. Installation of Clay Slurry Tank	N/A
107378	106.261 & 106.262	01/16/2013	Lime Mud Storage and reclaim Area	0.06 lb/hr & <0.01 tpy VOC, 0.45 lb/hr & 0.02 tpy PM, 0.45 lb/hr & 0.02 tpy PM_{10}, 0.11 lb/hr & <0.01 tpy $PM_{2.5}$
N/A	106.532	02/27/2013	No. 6 Cation Tank	N/A
N/A	106.472	08/07/2013	No. 4 PM DRS Tank	N/A
N/A	106.472	08/20/2013	Retention Aid Polymer Tank	N/A
N/A	106.472	10/18/2013	No. 4 PM AKD Tank South and No. 4 AKD Tank North	N/A

14. The foul condensates from one turpentine decanter underflow standpipe, one evaporator seal tank, and one fiberline condensate standpipe shall collect a minimum of 11.1 lb of HAPS per ton of oven-dried tons of pulp (ODTP) and treat 10.2 lb ODTP. The collected process condensates shall be pumped through the foul condensate header to the mill wastewater treatment system and introduced below the surface of the water through at least four inlets.

15. To show compliance, the holder of this permit shall conduct quarterly performance tests in accordance with the provisions of 40 CFR 63.453(j)(3) to demonstrate compliance with the collection and treatment requirements specified in §63.457(g) to meet the percent reduction or mass removal emission limit specified in §63.446(e)(2). The first quarter testing shall be conducted for total HAPS (acetaldehyde, methanol, methyl ethyl ketone, and propionaldehyde) to establish a ratio ("r" factor) of total HAPS to the surrogate methanol. Methanol will be the only required analysis during the subsequent quarterly performance tests as specified in §63.457(l)(1) or (2).

16. Stack emissions and operating conditions for the Power Boilers during production operations shall be limited to the following values:

Table 3: Operating Conditions for Power Boilers

Unit	Parameter	Standard	Notes
No. 2 Power Boiler	Opacity	20 percent	30 TAC Chapter 111*
	Pressure Drop Across Boiler Scrubber	9 inches of water	Minimum; one-hour average (only when burning biomass)
No. 5 Power Boiler	NO_x	0.05 lb/MMBtu	One-hour average, standard shall not apply during boiler operation at less than 200,000 lb/hr steam production
	CO	0.09 lb/MMBtu	One-hour average (excludes periods of routine maintenance, startup and shutdown) (**1/07**)
	Opacity	5 percent	Exception: 30 TAC § 111.111(a)(1)(E)*
	Subject to NSPS A, and Db at all times.		
No. 6 Power Boiler	NO_x	0.30 lb/MMBtu	30-day rolling average
	CO	0.465 lb/MMBtu	Hourly and annual average
	PM (NSPS Db Limit)	0.085 lb/MMBtu	3-hour average per NSPS Db. Demonstrate compliance using EPA Reference Method 5 not including impinger train (back half).
	PM	0.10 lb/MMBtu	Hourly and annual average. Demonstrate compliance per Special Condition 22 using EPA Reference Method 5 and including impinger train (back half).
	PM_{10}	0.10 lb/MMBtu	Hourly and annual average. Demonstrate compliance per Special Condition 22 using EPA Reference

Unit	Parameter	Standard	Notes
			Method 5 and including impinger train (back half).
	SO_2	0.035 lb/MMBtu	Hourly average
	SO_2	0.012 lb/MMBtu	Annual average
	TRS	0.0004 lb/MMBtu	Hourly and annual average
	VOC	0.04 lb/MMBtu	Hourly average
	VOC	0.013 lb/MMBtu	Annual average
	Opacity	20 percent	30 TAC Chapter 111* and NSPS Db
	Pressure Drop Across Boiler Scrubber	Special Condition No. 26	Minimum; One-hour average (only when burning biomass)
	Annual Natural Gas Usage Limit	644 MMscf/yr	12-month rolling average basis per 40 CFR §60.49b(d) to demonstrate compliance with 10 percent annual capacity factor for natural gas of 682,269 MMBtu/yr per 40 CFR §60.44d(b).

* Except for those periods described in Title 30 Texas Administrative Code (30 TAC) §§ 101.201 and 101.211. Opacity shall not exceed the limits set forth in 30TAC Chapter 111, Control of Air Pollution from Visible Emissions and Particulate Matter, during planned MSS.

TSP = total suspended particulate

MMBtu = Million Metric British Thermal Units

MMscf/yr = million standard cubic feet per year

17. Steam feed from Power Boiler No. 5 shall not exceed 265,000 pounds total steam per hour (based on a one-hour average). Compliance with this condition shall be demonstrated by maintaining records of a rolling 12-month total fuel consumption suitable for inspection.

18. Disposal of ash from the power boilers shall be accomplished in such a manner that will minimize it from becoming airborne.

19. Stack emissions and operating conditions for Nos. 1 and 7 Lime Kilns during production operations shall be limited to the following values:

Table 4: Operating Conditions for Lime Kiln Nos. 1 and 7

Unit	Parameter	Standard	Notes
No. 1 Lime Kiln	TRS	8 ppm @ 10% O_2	12-hour block average
	SO_2	30 ppm @ 10% O_2	12-hour block average
	NO_x	175 ppm @ 10% O_2	1-hour average
	CO	350 ppm @ 10% O_2	1- hour average
	VOC	180 ppm @ 10% O_2	1-hour average
	Opacity	20 percent	30 TAC Chapter 111*
	Pressure Drop Across Kiln Scrubber	20 inches of water	Minimum; 3-hour rolling average
No. 7 Lime Kiln	TRS	8 ppm @ 10% O_2	12-hour block average
	SO_2	30 ppm @ 10% O_2	12-hour block average
	NO_x	175 ppm @ 10% O_2	1-hour average
	CO	350 ppm @ 10% O_2	1-hour average
	VOC	180 ppm @ 10% O_2	1-hour average
	Opacity	20 percent	30 TAC Chapter 111*

* Except for those periods described in Title 30 Texas Administrative Code (30 TAC) §§ 101.201 and 101.211. Opacity shall not exceed the limits set forth in 30TAC Chapter 111, Control of Air Pollution from Visible Emissions and Particulate Matter, during planned MSS.

20. The No. 1 Lime Kiln shall not exceed lime production rate of an annual average of 150 tons per day and an hourly maximum of 200 tons per day. The No. 7 Lime Kiln shall not exceed lime production rate of an annual average of 480 tons per day and an hourly maximum of 500 tons per day. The holder of this permit shall take densitometer readings and kiln feed flow rates every four hours and convert these to tons per hour so that the daily kiln throughput rate in tons per day of calcium oxide can be determined. If the on-line densitometer is malfunctioning, manual density tests will be completed daily. Compliance with this condition is not required when the kiln is not operating.

21. Stack emissions and operating conditions for Nos. 4 and 5 Bleach Plants shall be limited to the following values:

Table 5: Operating Conditions for Nos. 4 and 5 Bleach Plants

Unit	Parameter	Standard	Notes
No. 4 Bleach Plant Scrubber. (acid stage washers and the filtrate tanks)	Flow Rate	100 gpm	Minimum, 1-hour average
	Oxidation/Reduction Potential (ORP)	3-run average demonstrated by most recent successful compliance test	Maximum, 3-hour average (back-up Continuous Parametric Monitoring Systems [CPMS] during periods of pH monitor downtime) (**02/18**)
	pH	9.5	Minimum, 1-hour average
	Temperature	200^{O}F	Maximum, 1-hour average
No. 5 Bleach Plant Scrubber. (Acid stage washers and the filtrate tanks)	Flow Rate	100 gpm	Minimum, 1-hour average
	ORP	3-run average demonstrated by most	Maximum, 3-hour average (back-up CPMS during periods

Unit	Parameter	Standard	Notes
		recent successful compliance test	of pH monitor downtime) (**02/18**)
	pH	9.5	Minimum, 1-hour average
	Temperature	200^{O}F	Maximum, 1-hour average

22. Plant roads shall be sprayed with water and/or treated with dust suppressants as necessary to achieve adequate control of dust emissions. Records of actions to control road dust emissions shall be maintained for a period of five years.

23. Any continuous monitoring records may be used to determine compliance with the conditions of this permit.

Chemical Flexibility

24. Materials or products other than those represented in the permit application dated June 21, 2000, (and subsequent follow-up correspondence) may be used when the following conditions are met:

    A. Emissions from the replacement material shall be from established emission points as identified on the maximum allowable emission rates table (MAERT) and shall not cause the annual rates specified on the MAERT to be exceeded.

    B. The total air toxic pollutants of the replacement and replaced material are known.

    C. The emission rate (ER) of the replacement toxic air pollutant is less than 0.04 pound per hour (lb/hr) and has an Effect Screening Level (ESL) of not less than 2 ug/m^3 or the following formula is satisfied:

    where: there is a direct substitution of one chemical for another

    $(ER2)/(ESL2) \leq (ER1)/(ESL1)$

    OR

    where: the replacement has different constituents

    $(ER2a)/(ESL2a) + (ER2b)/(ESL2b) + (ER2n..)/(ESL2n..)$

    $\leq (ER1a)/(ESL1a) + (ER1b)/(ESL1b) + (ER1n..)/(ESL1n..)$

    where: ER1 is the authorized ER of each toxic air pollutants in the current material;

ER2 is the ER of the toxic air pollutants in the replacement material;

ESL1 is the ESL for each of the toxic air pollutants in the current material, and;

ESL 2 is the ESL for each of the toxic air pollutants in the replacement material;

The ESL shall be taken from the current TCEQ ESL list. If a toxic air pollutant is not listed in the current TCEQ ESL list, the ESL shall be obtained in writing from the TCEQ Toxicology and Risk Assessment Section.

D. Calculations and other data supporting Chemical Flexibility Section shall be retained in the permit file directly after such changes are implemented.

Determination of Continuous Compliance

25. The holder of this permit shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of sulfur dioxide (SO_2), total reduced sulfur (TRS), and opacity from Recovery Boiler Nos. 3 and 4.

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, 2, 3, 4, and 5, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the Texas Commission on Environmental Quality (TCEQ) in Austin for requirements to be met.

B. The system shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amount specified in 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of NSPS or NESHAPS, in which case zero and span shall be done daily without exception.

Each monitor shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2. Relative Accuracy Test Audits (RATAs) are not required for these systems. For non-NSPS sources, an equivalent method approved by the TCEQ may be used and an annual RATA is not required.

C. The monitoring data for SO_2 and TRS from Recovery Boiler Nos. 3 and 4 shall be reduced to 12-hour average concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous one-hour average TRS and SO_2 concentrations as measured by the CEMS. The monitoring data for opacity from Recovery Boiler Nos. 3 and 4 shall be reduced to six-minute averages. In the event that one or more of the one-hour average concentrations is not available (due to calibration or mechanical failure), the one-hour reading shall be dropped from the average. Records shall be maintained to document the reason for omitted data (see Special Condition No. 36).

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years in lieu of submittal and shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

26. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentration NO_x from Power Boiler No. 5.

    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, 2, 3, 4, and 5, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ in Austin for requirements to be met.

    B. The system shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amount specified in 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of NSPS or NESHAPS, in which case zero and span shall be done daily without exception.

    Each monitor shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2. Cylinder Gas Audits (CGAs) may be conducted in three of four calendar quarters, but in no more than three quarters in succession. A RATA must be conducted at least once every four calendar quarters. An equivalent quality assured method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

    C. All monitoring data and quality-assurance data shall be maintained by the permit holder for a period of five years in lieu of submittal and shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

    D. 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 ER in lb/hr at least once every hour and cumulative TPY on a 12-month calendar basis.

    E. Up to 5 percent invalid monitoring data on a rolling 12-month basis is acceptable provided it is only generated when the monitor is broken down, out-of-control (producing inaccurate data); being repaired, having maintenance performed, or being calibrated (data not obtained during any daily zero and span performed is not considered invalid data).

27. For No. 6 Power Boiler, the holder of this permit shall install, calibrate, maintain, and operate a continuous monitoring system to monitor and record the actual hourly average scrubber pressure drop in inches of water column, required hourly average scrubber pressure drop, and hourly average boiler load (expressed as a percent of normal full load of 460,000 lb/hr steam) when the unit is operating on biomass-fuel. The required hourly average scrubber differential pressure is calculated as follows:

    Required scrubber differential pressure:

    A. Across venturi (inches of water) = (0.1) x (percent hourly average boiler load) - 0.5. That is, at 100 percent full load, the required pressure drop would be 9.5 inches of water.

    B. All records shall be maintained for at least five years and shall be made available on request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction. After the initial demonstration of compliance, the continuous pressure drop

monitoring shall constitute the method for determining continuous compliance with the emissions limit of this condition. Noncomplying emissions of particulate matter are defined as each one-hour period of boiler operation, except during start-up or shutdown (defined as boiler operation at less than 50 percent of normal full load not to exceed four hours) during which the actual hourly average scrubber pressure drop falls below the required hourly average level.

28. The holder of this permit shall install, calibrate, and maintain a continuous opacity monitoring system (COMS) to measure and record the in-stack concentration of opacity from No. 7 Lime Kiln and CEMS to measure and record the in-stack concentration of TRS from Nos. 1 and 7 Lime Kilns.

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, 2, 3, 4, and 5, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ in Austin for requirements to be met.

B. The system shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amount specified in 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a Subpart of NSPS or NESHAPS, in which case zero and span shall be done daily without exception.

Each monitor shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2. RATAs are not required for these systems. For non-NSPS sources, an equivalent method approved by the TCEQ may be used and an annual RATA is not required

C. The monitoring data for TRS from the Nos. 1 and 7 Lime Kilns shall be reduced to 12-hour block average concentrations for the two consecutive periods of each operating day. Each 12-hour block average shall be determined as the arithmetic mean of the appropriate 12 contiguous one-hour average TRS and SO_2 concentrations as measured by the CEMS. The monitoring data for opacity from the No. 7 Lime Kiln shall be reduced to six-minute averages. In the event that one or more of the one-hour average concentrations is not available (due to calibration or mechanical failure), the one-hour reading shall be dropped from the average. Records shall be maintained to document the reason for omitted data (see Special Condition No. 36).

All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

D. Up to 5 percent invalid monitoring data on a rolling 12-month basis is acceptable provided it is only generated when the monitor is broken down, out-of-control (producing inaccurate data); being repaired, having maintenance performed, or being calibrated (data not obtained during any daily zero and span performed is not considered invalid data).

The data availability shall be calculated as the total fired unit operating hours for which quality-assured data was recorded divided by the total fired unit operating hours. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Beaumont Regional Director.

Compliance Assurance Monitoring

29. To incorporate CAM into New Source Review Permitting requirements, the applicant proposes to add the following monitoring requirements to this permit. The incorporation is based on applicant's alteration request to this permit dated April 30, 2008**.** Special Condition No. 36 shall become effective at the issuance of the first renewed Federal Operating Permit No. O-01265.

30. For No. 2 Power Boiler Stack (EPN 1) and No. 6 Power Boiler Stack (EPN 50) for PM/PM_{10}, SO_2, TRS, and H_2S emissions and PM opacity, the holder of this permit shall monitor scrubber pressure drop. The pressure drop shall be recorded at least four times per hour when the emission source is operating, and archived in one-hour averages.

    Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

    + 1 inch water gauge pressure (+ 250 pascals); or

    + 2% of span

    A minimum pressure drop shall be established using the manufacturer's specifications.

31. For No. 2 Power Boiler Stack (EPN 1) and No. 6 Power Boiler Stack (EPN 50) for PM/PM_{10}, SO_2, TRS, and H_2S emissions and PM opacity, the holder of this permit shall monitor scrubber flow rate. The liquid flow rate shall be recorded at least four times per hour when the emission source is operating, and archived in one hour averages. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

    + 2% of span; or

    + 5% of design liquid flow rate

    A minimum liquid flow rate shall be established using the manufacturer's specifications.

32. For No. 3 Smelt Dissolving Tank Stack (EPN 5B) and No. 1 Lime Kiln Stack (EPN 43) for PM/PM_{10} emissions and PM opacity and No. 4 Recovery Boiler Stack (EPN 26 for Nos. 4S and 4N Smelt Dissolving Tanks) for PM/PM_{10}, the holder of this permit shall monitor scrubber pressure drop. The pressure drop shall be recorded at least four times per hour when the emission source is operating, and archived in one hour averages. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

    + 1 inch water gauge pressure (+ 250 pascals); or

    + 2% of span

    A minimum pressure drop shall be established using the manufacturer's specifications.

33. For No. 3 Smelt Dissolving Tank Stack (EPN 5B) and No. 1 Lime Kiln Stack (EPN 43) for PM/PM_{10} emissions and PM opacity and No. 4 Recovery Boiler Stack (EPN 26 for Nos. 4S and 4N Smelt Dissolving Tanks) for PM/PM_{10}, the holder of this permit shall monitor scrubber flow rate. The liquid flow rate shall be recorded at least four times per hour when the emission source is operating, and archived in one-hour averages. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

    + 2% of span; or

    + 5% of design liquid flow rate

    A minimum liquid flow rate shall be established using the manufacturer's specifications.

34. For both North and South No. 3 Recovery Boiler Stacks (EPNs 3 and 4), Lime Kiln No. 7 ESP Stack (EPN 7), and No. 4 Recovery Boiler Stack (EPN 26 for Nos. 4S and 4N Smelt Dissolving Tanks) for PM/PM_{10} emissions and PM opacity, the holder of this permit shall monitor opacity using a Continuous Opacity Monitoring System (COMS). The COMS shall be operated in accordance with 40 CFR Part 60.13. The opacity shall be recorded at least six times per minute when the emission source is operating, and archived in six minute averages.

    The maximum opacity is the corresponding opacity limit for the emission source as specified in the applicable special conditions of this permit.

35. For No. 2 Power Boiler Stack (EPN 1) and No. 6 Power Boiler Stack (EPN 50) for VOC emissions, the holder of this permit shall monitor and record the periods of operation of the boilers (Nos. 2 and 6 Power Boilers). The records must be readily available for inspection.

Sampling Requirements

36. 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 units listed on Table 6 every five years after initial sampling. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

    A. The 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, TCEQ, or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in Table 6 shall be submitted to the TCEQ Office of Permitting and Registration, Air Permits Division. Test waivers and alternate or equivalent procedure proposals for NSPS testing, which must have EPA approval, shall be submitted to the TCEQ Regional Office.

B. Air contaminants to be sampled include, but are not limited to, the contaminants listed on the Table 6. The sampling methods to be used are listed on Table 7.

C. For units subject to 40 CFR Part 60 NSPS or 40 CFR Part 61 NESHAPS sampling shall occur within 180 days after initial start-up of each of the facilities or production units constructed, reconstructed, or modified (as defined in 40 CFR Part 60, Subpart A and 40 CFR Part 61 Subpart A) following the issuance of this permit or an amendment to this permit that authorizes the specific unit and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. 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 Regional Office.

D. The unit being tested shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rates 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.

One copy of the final sampling report shall be forwarded to the TCEQ Regional Office within 60 days after sampling is completed. Sampling reports shall comply with provisions of Chapter 14 of the TCEQ Sampling Procedures Manual.

Table 6: Sampling and Testing Requirements/Schedule

UNIT	Contaminants to be sampled	Sampling Date
No. 3 Recovery Boiler	NO_x, TSP,CO, VOC, H_2SO_4	
No. 4 Recovery Boiler	NO_x, TSP, CO, VOC, H_2SO_4	
No. 2 Power Boiler	NO_x, CO, TSP	
No. 6 Power Boiler	NO_x, CO, VOC	
No. 1 Lime Kiln	NO_x, SO_2, TSP, CO, VOC, H_2SO_4	
No. 7 Lime Kiln	NO_x, SO_2, TSP, CO, VOC, H_2SO_4	
No. 4 Bleach Plant	ClO_2, Cl_2, CO, VOC	
No. 5 Bleach Plant	ClO_2, Cl_2, CO, VOC	

H_2SO_4 - sulfuric acid

ClO_2 - chlorine dioxide

Cl_2 - chlorine

Table 7: Testing and Sampling Methods

Pollutant	Method	Notes
NO_x	7E	
SO_2	6C	A modified method 6 will be used for Lime Kiln No. 7 (T. Blodgett; November 30, 1993)
TSP	5	Including impinger train (assume all TSP is PM_{10})
CO	10	
H_2SO_4	8A or 8B	NCASI Method 8A and 8B
VOC	25A	

Recordkeeping Requirements

37. A report of all excursions shall be submitted to the TCEQ Beaumont Regional Office at the end of each month. All such reports shall be postmarked by the 15th day following the end of each month and shall include the following information for each monitor:

    A. The date and duration of each time period of excess emissions;

    B. The date of each period during which the continuous monitoring system was inoperative, except for zero, span, and calibration checks;

    C. When no excess emissions have occurred or the CEMS have not been inoperative, repaired, or adjusted, such information shall be stated in the report;

38. The holder of this permit shall maintain a raw data file of all measurements required under this permit, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring device calibration checks and adjustments; and maintenance performed on these systems or devices in a permanent form suitable for inspection.

    Records shall be maintained based on a 12-month calendar average and retained for a five-year period following the date of such measurements, maintenance, reports, or records and shall be made available upon request from personnel of the TCEQ.

    These files shall be made available upon request from personnel of the TCEQ or the local air pollution control program.

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 20365 and PSDTX785M7

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 (8)	
			lbs/hour	TPY (4)
1	No. 2 Power Boiler Stack	VOC	20.00	87.60
		NO_X	268.00	1173.80
		SO_2	2.30	10.10
		PM	58.46	240.90
		PM_{10}	58.46	240.90
		CO	190.00	832.30
1	No. 2 Power Boiler Stack (Power Boiler 2 when firing non-condensible gases) (6)	VOC (9)	33.53	89.64
		NO_X	268.00	---
		SO_2	27.36	111.74
		PM	58.46	---
		PM_{10}	58.46	---
		CO	190.00	---
		TRS/H_2S	0.29	1.14
3 and 4	No. 3 Recovery Boiler Stacks (both North and South Stacks)	VOC	14.00	60.00
		NO_X	141.50	497.18
		SO_2 (10)	74.98	327.40
		PM	27.00	118.20
		PM_{10}	27.00	118.20
		CO	163.80	716.20
		TRS (10)	4.00	17.40
		H_2S	4.00	17.40

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		H_2SO_4	9.73	42.16
		Fluorides	0.14	0.61
		HCl	0.72	3.16
5A	Black Liquor Soap Separator Tank	VOC	0.36	1.58
		TRS	0.11	0.48
		H_2S	0.02	0.08
5B	No. 3 Smelt Dissolving Tank	VOC	14.07	60.95
		NO_X	1.70	7.30
		SO_2	6.70	29.20
		PM	5.91	25.60
		PM_{10}	5.91	25.60
		TRS	1.70	7.40
		H_2S	1.70	7.40
7	No. 7 Lime Kiln ESP Stack	VOC	5.00	21.02
		NO_X	51.71	217.44
		SO_2 (10)	12.83	53.95
		PM	6.78	29.13
		PM_{10}	6.78	29.13
		CO	13.58	57.12
		TRS (10)	0.95	3.99
		H_2S	0.95	3.99
		H_2SO_4	0.13	0.55
13	No. 4 Lime Slaker Stack	VOC	0.13	0.59
		PM	1.37	6.00

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		PM_{10}	1.37	6.00
16A	No. 7 Lime Slaker Stack	VOC	0.31	1.29
		PM	1.37	5.76
		PM_{10}	1.37	5.76
19A	No. 1 Starch Unload	PM	0.09	0.13
		PM_{10}	0.09	0.13
19B	No. 2 Starch Unload	PM	0.09	0.13
		PM_{10}	0.09	0.13
19C	No. 3 Starch Unload	PM	0.09	0.13
		PM_{10}	0.09	0.13
26	No. 4 Recovery Boiler Stack (includes Nos. 4S and 4N Smelt Dissolving Tanks)	VOC	17.90	78.40
		NO_X	171.60	751.60
		SO_2 (10)	119.40	522.90
		PM	50.00	219.00
		PM_{10}	50.00	219.00
		CO	261.10	1143.80
		TRS (10)	6.30	27.80
		H_2S	6.30	27.80
		H_2SO_4	12.80	56.00
		Fluorides	0.30	1.31
		HCl	1.31	5.74
43	No. 1 Lime Kiln Stack	VOC	2.21	7.26
		NO_X	35.02	115.04
		SO_2 (10)	4.38	14.39

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		PM	12.16	39.95
		PM_{10}	12.16	39.95
		CO	9.14	30.02
		TRS (10)	0.53	1.74
		H_2S	0.53	1.74
		H_2SO_4	0.08	0.26
44	Wood Cyclone (Pine)	PM	0.07	0.30
		PM_{10}	0.07	0.30
45	Wood Cyclone (Hard)	PM	0.24	1.03
		PM_{10}	0.24	1.03
46	Wood Cyclone (Total)	PM	0.51	2.16
		PM_{10}	0.51	2.16
48	Lime Handling System (3 Silos: 24-2058, 24-2106, and 24-2107)	PM	0.07	0.31
		PM_{10}	0.07	0.31
50	No. 6 Power Boiler Stack	VOC (9)	31.85	44.37
		NO_X (11)	238.85	1023.40
		SO_2	27.87	40.94
		PM	79.62	341.13
		PM_{10}	79.62	341.13
		CO	370.21	1586.28
		TRS/H_2S	0.29	1.14
51	No. 5 Power Boiler Stack	VOC	3.07	13.45
		NO_X	17.17	74.20
		SO_2	0.20	0.80

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		PM	2.60	10.75
		PM_{10}	2.60	10.75
		CO	30.50	---
		CO (MSS)(7)	150.00	---
		CO (Annual)	---	133.59
70	No. 4 Bleach Plant (BP) Scrubber Stack	VOC	10.50	45.99
		CO	108.00	473.00
		Chlorine	0.41	1.80
		Chlorine Dioxide	0.34	1.49
		HCl	0.19	0.75
71	No. 4 BP E_{OP} Tower/Wash Press Stack	VOC	3.91	17.13
		CO	9.09	35.76
71A	No. 4 BP E_{OP} Filtrate Tank Stack	VOC	0.05	0.20
73	No. 5 BP E_{OP} Tower Stack	VOC	2.42	10.61
		CO	6.56	26.78
73A	No. 5 BP E_{OP} Filtrate Tank Stack	VOC	1.82	7.96
77	No. 4 BSW Diffusion Washer Vent	VOC	26.70	117.10
		TRS	0.01	0.01
		H_2S	<0.01	<0.01
78	No. 5 BSW Diffusion Washer Vent	VOC	37.40	164.00
		TRS	<0.01	<0.01
		H_2S	<0.01	<0.01
81	Diesel Loading/Unloading	VOC	0.10	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
82	Gasoline Loading/Unloading	VOC	3.26	0.03
75	No. 5 BP Scrubber Stack	VOC	2.33	10.20
		CO	152.00	664.00
		HCl	0.21	0.84
		Chlorine	0.41	1.80
		Chlorine Dioxide	0.34	1.49
91	ClO_2 Generator Tail Gas Scrubber Vent	VOC	0.50	2.32
		Chlorine	0.02	0.09
		Chlorine Dioxide	0.20	0.88
92	Methanol Storage Tank	VOC	0.26	1.14
F100/101	Effluent Treatment System (5)	VOC	46.75	122.51
102	Turpentine Loading	VOC	0.04	0.01
103	Soap Loading	VOC	0.05	0.25
		TRS	<0.01	<0.01
1LMF-FUG	No. 1 Precoat Filter Vent (5)	VOC	0.10	0.43
1PFVPE-1	No. 1 Precoat Filter Vacuum Pump Exhaust	VOC	0.16	0.66
3LMF-FUG	No. 3 Precoat Filter Vent (5)	VOC	0.11	0.45
3PFVPE-1	No. 3 Precoat Filter Vacuum Pump Exhaust	VOC	0.16	0.66
4LMF-FUG	No. 4 Precoat Filter Vent (5)	VOC	0.09	0.36
4PFVPE-1	No. 4 Precoat Filter Vacuum Pump Exhaust	VOC	0.38	1.59
4WLC-1	No. 4 White Liquor Clarifier	VOC	0.41	1.80
4EWLFT-1	No. 4 Ecofilter Mudwasher	VOC	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
5GLC-1	No. 5 Green Liquor Clarifier	VOC	1.20	4.76
		TRS	<0.01	0.02
5WLC-1	No. 5 White Liquor Clarifier	VOC	0.40	1.75
6GLC-1	No. 6 Green Liquor Clarifier	VOC	1.26	5.52
		TRS	<0.01	0.02
6WLC-1	No. 6 White Liquor Clarifier	VOC	0.40	1.67
7GLC-1	No. 7 Green Liquor Clarifier	VOC	2.87	12.06
		TRS	0.01	0.05
CP-FUG	Coating Plant (5)	VOC	26.67	115.56
PM-FUG	Paper Machines (5)	VOC	73.48	250.95
		NO_X	5.72	22.12
		SO_2	0.03	0.13
		PM	0.43	1.68
		PM_{10}	0.43	1.68
		CO	4.81	18.58
SST2RB	Spill Tank (Small, Under No. 2 RB)	VOC	0.05	0.25
		TRS	<0.01	<0.01
5WBLT	No. 2 Rec. No. 1 Wk. Blk Liquor ST Tank N	VOC	0.05	0.25
		TRS	<0.01	<0.01
6WBLT	No. 6 Weak Black Liquor Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2039	No. 4 Evaporators Soap Separator Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
5RST	No. 5 Reclaim Tank WBL	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-2004	No. 4 Diffusion BSW Filtrate Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-2021	No. 4 Screen Dilution Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2079	No. 2 Rec. Filtered Weak Black Liquor Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
1WBLT	Weak Black Liquor (HW)Tank (No. 1)	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2082	No. 2 Recovery Light Soap Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
2WBLT	No. 2 Weak Liquor Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2084	No.4 Recovery Soap Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-2100	No. 2 Foam Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
8WBLT	No. 8 Weak Black Liquor Storage	VOC	0.05	0.25
		TRS	<0.01	<0.01
5AWBLT	No. 5 Weak Black Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
7WBLT	No. 7 Weak Black Liquor Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
9WBLT	No. 9 Weak Black Liquor Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2004	No. 5 FL Filtrate Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2016	No. 5 Decker Filtrate Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-0463	No. 5 Vibrating Knotter	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-0163	No. 4 Vibrating Knotter	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2021	No. 5 Screen Dilution Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2066	No. 5 FL Unfilt. Weak Black Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
6HBLT	No. 6 55 Percent Black Liquor Storage Tank S	VOC	0.05	0.25
		TRS	<0.01	<0.01
71-2003	No. 2 Rec. Soap Storage Tank Btwn. Heavy Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
LTKVNT	Liquor Tank Vent (FINs 19-2029, 19-2030, 19-2038, 26-2011, and 26-2012)	VOC	1.54	6.74
		TRS	0.90	3.94
		H_2S	0.24	1.05
19-2080	No. 2 Recovery Concentrated Soap Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
1HBLT	No. 1 Black Liquor Storage Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21
2RBDT	No. 2 Recovery Heavy Black Liquor Dump Storage Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21
2RBUT	No. 2 Recovery Heavy Black Liquor Use Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21
71-2002	No. 5 55 Percent Black Liquor Storage Tank N	VOC	0.31	1.35
		TRS	0.18	0.79
17-2230	Brownstock Storage For No. 1 PM	VOC	0.28	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
FL4BFT	No. 4 FL Brownstock HD Storage Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
40-2016	No. 4 Decker Filtrate Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
40-2022	No. 4 Bleach Feed Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
50-2001	No. 5 FL HD Stock Tank	VOC	0.29	1.21

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		TRS	0.06	0.27
		H_2S	<0.01	0.03
50-2022	No. 5 FL Bleach Feed Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
No. 4-1 CZXR	No. 4-1 Causticizer Tank	VOC	0.14	0.55
No. 4-2 CZXR	No. 4-2 Causticizer Tank	VOC	0.14	0.55
No. 4-3 CZXR	No. 4-3 Causticizer Tank	VOC	0.14	0.55
No. 7-1 CZXR	No. 7-1 Causticizer Tank	VOC	0.10	0.43
No. 7-2 CZXR	No. 7-2 Causticizer Tank	VOC	0.10	0.43
No. 7-3 CZXR	No. 7-3 Causticizer Tank	VOC	0.10	0.43
RGLT	Raw Green Liquor Storage Tank	VOC	0.09	0.37
		TRS	<0.01	0.02
GLST	Green Liquor Stabilization Tank	VOC	0.09	0.37
		TRS	0.01	0.01
24-2028	Dregs Thickener Feed Tank	VOC	0.004	0.02
		TRS	<0.01	<0.01
24-0372	Dreg Filter Vacuum Pump Exhaust	VOC	0.004	0.02
		TRS	<0.01	<0.01
24-2068	Dreg Storage	VOC	0.004	0.02
		TRS	<0.01	<0.01
24-2031	No. 1 White Liquor Storage Tank	VOC	0.41	1.72
24-2029	No. 2 White Liquor Storage Tank	VOC	0.41	1.72

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
24-2062	No. 3 White Liquor Storage Tank	VOC	0.45	1.81
4EWLFT-1	No. 7 White Liquor (Ecofilter) Clarifier	VOC	1.03	4.33
24-2016	No. 2 Weak Wash Tank	VOC	0.74	3.03
24-2027	No. 1 Weak Wash Tank	VOC	0.74	3.03
24-2030	No. 1 White Liquor Clarifier	VOC	0.41	1.72
24-2098	Weak Wash Standpipe	VOC	0.74	3.03
24-2020	No. 1 Mud Storage Tank	VOC	<0.01	0.02
24-2021	No. 2 Mud Washer	VOC	<0.01	0.02
24-2024	No. 1 Mud Washer	VOC	<0.01	0.02
24-2019	No. 2 Mud Storage Tank	VOC	<0.01	0.02
24-2017	No. 3 Mud Washer	VOC	<0.01	0.02
24-2022	No. 3 Mud Storage Tank	VOC	<0.01	0.02
24-2047	No. 4 Lime Mud Washer	VOC	<0.01	0.02
24-2050	No. 5 Mud Washer	VOC	0.01	0.04
24-2094	No. 7 Kiln Lime Mud Dilution Tank	VOC	0.01	0.04
24-2095	No. 7 Kiln Lime Mud Mix Tank	VOC	0.01	0.04
24-2097	No. 7 Lime Mud Storage Tank	VOC	0.01	0.04
24-2026	Sewer Reclaim Tank	VOC	<0.01	0.01
19-2104	No. 2 Recovery Salt Cake Mix Tank	VOC	0.01	0.05
		TRS	0.16	0.70
		H_2S	0.05	0.21
19-2091	No. 3 Recovery Salt Cake Mix Tank	VOC	0.02	0.07
		TRS	0.16	0.70

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		H_2S	0.05	0.21
17-2047	No. 1 PM Prime Pine Row Stock Storage Tank	VOC	0.02	0.09
18-2003	Standard Pine Tank	VOC	0.02	0.09
17-2006	No. 1 PM Broke Tank	VOC	0.02	0.09
34-2078	Hardwood Raw Stock Storage Tank No. 134	VOC	0.02	0.09
34-2079	No. 2 PM North Broke Tank	VOC	0.02	0.09
54-2058	Bufloc 2121 Tank	Surfactant	<0.01	<0.01
54-2049	Busperse 2049 Tank	VOC	0.0072	0.0314
GEN1	Emergency Generator 385-hp Natural Gas Engine	VOC	0.41	0.18
		NO_X	14.34	6.28
		SO_2	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		CO	1.11	0.49
54-2101	S/W Raw Stock	VOC	0.02	0.09
54-2102	H/W Raw Stock	VOC	0.02	0.09
18-2004	PM Recycle Broke Tank	VOC	0.02	0.09
40-2039	No. 5 HD, PM Broke Tank	VOC	0.02	0.09
54-2111	Broke Chest	VOC	0.02	0.09
40-2028	Bleached Hardwood – Jumbo Storage	VOC	0.02	0.09
40-2034	Bleached Hardwood – South Storage	VOC	0.02	0.09
40-2035	Bleached Hardwood – North Storage	VOC	0.02	0.09
40-2087	Bleached Pine – Southeast Storage	VOC	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
40-2088	Bleached Pine – East Storage	VOC	0.02	0.09
40-2089	Bleached Pine -West Storage	VOC	0.02	0.09
40-2040	Reserve – Bleached Tower	VOC	0.02	0.09
40-2061	Reserve – 151 Ton Stock Tank	VOC	0.02	0.09
40-2070	No. 2 Filtrate Tank Reserve	VOC	0.02	0.09
40-2071	No. 3 Filtrate Tank Reserve	VOC	0.02	0.09
40-2079	Reserve – Bleached Tower	VOC	0.02	0.09
40-2084	Reserve – Bleached Tower	VOC	0.02	0.09
40-2085	Reserve – Bleached Tower	VOC	0.02	0.09
24-2043	Muriatic Acid Tank at No. 7 Kiln	HCl	0.01	<0.01
24-2061	Recaust Muriatic Acid Tank	HCl	0.01	<0.01
71-2422	Oil – Used Oil Storage Tank	VOC	2.00	0.01
80-2883	Insolubilizer Storage Tank	VOC	0.10	<0.01
80-2879	No. 1 Lubricant Storage Tank	VOC	2.00	<0.01
80-2880	No. 2 Lubricant Storage Tank	VOC	2.00	<0.01
71-2423	Oil – Lubricant Tank	VOC	2.00	0.01
71-2424	Oil – Lubricant Tank	VOC	2.00	0.01
71-2425	Oil –Hydraulic Tank	VOC	2.00	0.01
71-2108	Lubricating/Hydraulic Oil Reservoirs - Millwide	VOC	2.00	0.01
17-2048	No. PM Rosin Tank East	VOC	0.60	0.08
		TRS	0.06	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
30-2976	Rosin Size Storage Tank	VOC	0.60	0.08
		TRS	0.06	0.01
30-2603	Chlorate Storage	Sodium Chlorate	1.30	1.89
30-2606	Chlorate Storage	Sodium Chlorate	1.30	1.89
40-2048	R-2 Chlorate Mix Tank Reserve	Sodium Chlorate	1.30	0.15
71-2544	Actibrome Tank – Drinking Water	Sodium Bromide	6.30	0.08
71-2545	Actibrome Tank – West Side	Sodium Bromide	6.30	0.08
40-2041	Reserve – Bleach Tower	VOC	0.02	0.09
17-2003	No. 1 PM Rosin Tank – West	VOC	0.60	0.08
		TRS	0.06	0.01
24-2096	No. 7 Kiln Sulfamic Acid Mix Tank	Sulfamic Acid	0.04	<0.01
17-2007	No. 1 Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.01
21-2119	98 Percent Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.01
30-2601	CLO_2 Plant 98 Percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.01
40-2038	98 Percent Sulfuric Acid Bulk Tank	H_2SO_4	0.04	0.01
50-2043	No. 4/5 FL 98 Percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.01
40-2167	Turpentine Decanter Tank	VOC	0.02	0.10
21-2031	No. 5 Cation Tank	H_2SO_4	0.04	0.01
21-2032	No. 4 Cation Tank	H_2SO_4	0.04	0.01
21-2033	No. 3 Cation Tank	H_2SO_4	0.04	0.01
21-2035	No. 1 Cation Tank	H_2SO_4	0.04	0.01
86-2000	Actibrome Tank – Woodyard	Sodium Bromide	6.30	0.08

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
86-4000	Actibrome Tank at ClO_2 Plant	Sodium Bromide	6.30	0.08
BY-FUG	Bark Yard (5)	PM	0.60	2.64
		PM_{10}	0.28	1.25
WY-FUG	Woodyard (5)	PM	0.34	1.52
		PM_{10}	0.06	0.27
17-2004	No. 1 PM Reserve Tank	VOC	0.15	0.01
99-0634	No. 5 FL Formic Acid Tank	Formic Acid	2.00	0.02
21-2024	Nalco Product	Polyquartenary Amine	0.50	0.95
99-0474	Caustic Soap Tank	VOC	0.63	0.02
99-0475	Caustic Soap Tank	VOC	0.63	0.02
705-760-210	Liquid Fuel Storage Tank	VOC	<0.01	0.01
PB6-FUG	No. 6 Power Boiler Ash Silo Baghouse	PM_{10}	0.28	1.23
80-2940	Clay Slurry Tank	VOC	0.01	0.01
PB2-FUG	No. 2 Power Boiler Ash Silo Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
TRS - total reduced sulfur
H_2S - hydrogen sulfide
H_2SO_4 - sulfuric acid
HCl - hydrochloric acid

Emission Sources - Maximum Allowable Emission Rates

MSS - maintenance, startup, and shutdown

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Additional long-term SO_2, VOC, and TRS/H_2S authorized only when No. 2 Power Boiler is burning non-condensible gases.
(7) During routine MSS activities only for a maximum of 10 hours per occurrence.
(8) Planned startup and shutdown emissions are included, as well as planned maintenance activities identified as part of permit alteration issued on April 12, 2013.
(9) Spent Caustic Tank (formerly EPN 40-2029) with 0.05 lb/hr and 0.02 tpy of VOC now vents to EPN 1 or EPN 50.
(10) Hourly emissions are based on 12-hour averages.
(11) Hourly emissions are based on 30-day rolling averages.

Date: January 11, 2018