



# MAJOR SOURCE OPERATING PERMIT

Permittee: **Georgia-Pacific Naheola LLC**  
Facility Name: **Georgia-Pacific-Naheola Mill**  
Facility No.: 101-0001  
Location: PENNINGTON, ALABAMA

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

**Issuance Date:** DRAFT  
**Effective Date:** DRAFT  
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## General Permit Provisos

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<p><b><u>1. Transfer</u></b></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p>	Rule 335-3-16-.02(6)
<p><b><u>2. Renewals</u></b></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	Rule 335-3-16-.12(2)
<p><b><u>3. Severability Clause</u></b></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	Rule 335-3-16-.05(e)
<p><b><u>4. Compliance</u></b></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	Rule 335-3-16-.05(f)  Rule 335-3-16-.05(g)
<p><b><u>5. Termination for Cause</u></b></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	Rule 335-3-16-.05(h)
<p><b><u>6. Property Rights</u></b></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	Rule 335-3-16-.05(i)
<p><b><u>7. Submission of Information</u></b></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	Rule 335-3-16-.05(j)

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<p><b><u>8. Economic Incentives, Marketable Permits, and Emissions Trading</u></b></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	Rule 335-3-16-.05(k)
<p><b><u>9. Certification of Truth, Accuracy, and Completeness:</u></b></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	Rule 335-3-16-.07(a)
<p><b><u>10. Inspection and Entry</u></b></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> <li>(a) Enter upon the permittee’s premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</li> <li>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</li> <li>(c) Inspect, at reasonable times, this facility’s equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</li> <li>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</li> </ul>	Rule 335-3-16-.07(b)
<p><b><u>11. Compliance Provisions</u></b></p> <ul style="list-style-type: none"> <li>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</li> <li>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</li> </ul>	Rule 335-3-16-.07(c)
<p><b><u>12. Compliance Certification</u></b></p> <p>A compliance certification shall be submitted annually by August 31<sup>st</sup>.</p> <ul style="list-style-type: none"> <li>(a) The compliance certification shall include the following: <ul style="list-style-type: none"> <li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li> <li>(2) The compliance status;</li> </ul> </li> </ul>	Rule 335-3-16-.07(e)

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<p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">EPA through the Compliance and Emissions Data Reporting Interface (CEDRI) located on EPA’s Central Data Exchange (CDX)</p> <p style="text-align: center;">and to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p>	
<p><b>13. <u>Reopening for Cause</u></b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	<p>Rule 335-3-16-.13(5)</p>
<p><b>14. <u>Additional Rules and Regulations</u></b></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder’s responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p><b>15. <u>Equipment Maintenance or Breakdown</u></b></p> <p>(a) In the case of shutdown for more than one (1) hour of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down</p>	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> <li>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</li> <li>(2) The expected length of time that the air pollution control equipment will be out of service;</li> <li>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</li> <li>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</li> <li>(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</li> </ol> <p>(b) In the event that there is a breakdown of equipment or upset of process for a period exceeding one (1) hour in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p><b>16. <u>Operation of Capture and Control Devices</u></b></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p><b>17. <u>Obnoxious Odors</u></b></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p><b>18. <u>Fugitive Dust</u></b></p> <ol style="list-style-type: none"> <li>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</li> <li>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds: <ol style="list-style-type: none"> <li>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</li> </ol> </li> </ol>	<p>Rule 335-3-4-.02</p>

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<p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne.</p>	
<p><b>19. <u>Additions and Revisions</u></b></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p><b>20. <u>Recordkeeping Requirements</u></b></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.</p> <p>(c) The Permittee shall conduct monitoring in accordance with the specific provisions of the permit, provided that no monitoring is required when the process or emission source is not operating.</p>	<p>Rule 335-3-16-.05(c)2.</p>
<p><b>21. <u>Reporting Requirements</u></b></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every six months. The reports shall be submitted within 60 days following the end of the six month period. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the</p>	<p>Rule 335-3-16-.05(c)3.</p>

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<p style="text-align: center;">probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> <p><b>22. <u>Emission Testing Requirements</u></b></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised. As allowed in MACT and other regulations, flexibility is provided to use alternative test methods, as approved by EPA, ADEM or permit condition.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ol style="list-style-type: none"> <li>(1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</li> <li>(2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</li> <li>(3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</li> <li>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</li> </ol> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division or an alternative time is specified by an applicable regulation.</p> <p><b>23. <u>Payment of Emission Fees</u></b></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p> <p><b>24. <u>Other Reporting and Testing Requirements</u></b></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p> <p><b>25. <u>Title VI Requirements (Refrigerants)</u></b></p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p> <p>Rule 335-3-1-.04</p> <p>Rule 335-1-7-.04</p> <p>Rule 335-3-1-.04(1)</p>

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	40 CFR Part 82
<p><b>26. <u>Chemical Accidental Prevention Provisions</u></b></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p>	40 CFR Part 68
<p><b>27. <u>Display of Permit</u></b></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	Rule 335-3-14-.01(1)(d)
<p><b>28. <u>Circumvention</u></b></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	Rule 335-3-1-.10
<p><b>29. <u>Visible Emissions</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	Rule 335-3-4-.01(1)
<p><b>30. <u>Fuel-Burning Equipment</u></b></p> <p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p>	Rule 335-3-4-.03

## General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	Rule 335-3-5-.01
<p><b>31. <u>Process Industries – General</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	Rule 335-3-4-.04
<p><b>32. <u>Averaging Time for Emission Limits</u></b></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	Rule 335-3-1-.05
<p><b>33. <u>Permit Shield</u></b></p> <p>A permit shield exists under this operating permit in accordance with ADEM Administrative Code R. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in Item 13 of the application’s ADEM Form 103 for this permit. Under this shield, it has been determined that requirements listed as non-applicable in such section are not applicable to this source.</p>	Rule 335-3-16-.10



## Bubbling Bed 01 Boiler Informational Summary

**Description:** Bubbling Bed 01 Boiler

**Emission Unit No:** 025

**Installation Date:** 2019 **Reconstruction / Modification date:**

**Operating Capacity:** 810 MMBtu/hr

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 60 Subpart Db**

**40 CFR Part 61 Subpart E**

**40 CFR Part 63 Subpart DDDDD**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X039	Bubbling Bed 01 Boiler	Filterable PM	$\leq 0.00980$ lb/MMBtu or $\leq 7.94$ lb/hr $\leq 4.1 \times 10^{-3}$ lb/MMBtu (Effective October 6, 2025)	Rule 335-3-10-.02 (2)(b) Rule 335-3-11-.06 (107) Rule 335-3-16-.05
X039	Bubbling Bed 01 Boiler	PM <sub>10</sub>	$\leq 0.0243$ lb/MMBtu or $\leq 19.64$ lb/hr	Rule 335-3-16-.05
X039	Bubbling Bed 01 Boiler	PM <sub>2.5</sub>	$\leq 0.0234$ lb/MMBtu or $\leq 18.93$ lb/hr	Rule 335-3-16-.05
X039	Bubbling Bed 01 Boiler	Opacity	$\leq 20$ percent except for one 6-minute period per hour of not more than 27 percent	Rule 335-3-10-.02 (2)(b)
X039	Bubbling Bed 01 Boiler	SO <sub>2</sub>	$\leq 0.32$ lb/MMBtu or $\leq 259.20$ lb/hr	Rule 335-3-16-.05
X039	Bubbling Bed 01 Boiler	NO <sub>x</sub>	$\leq 0.20$ lb/MMBtu (30 day rolling average)	Rule 335-3-10-.02 (2)(b) Rule 335-3-16-.05
X039	Bubbling Bed 01 Boiler	CO	$\leq 310$ ppm @ 3% O <sub>2</sub> (30 day rolling average)	Rule 335-3-11-.06 (107) Rule 335-3-16-.05
X039	Bubbling Bed 01 Boiler	HCl	$\leq 0.022$ lb/MMBtu $\leq 2.1 \times 10^{-4}$ lb/MMBtu (Effective October 6, 2025)	Rule 335-3-11-.06 (107)
X039	Bubbling Bed 01 Boiler	Hg	$\leq 3200$ grams per 24-hour period	Rule 335-3-11-.02 (4)
X039	Bubbling Bed 01 Boiler	Hg	$\leq 8.0 \times 10^{-7}$ lb/MMBtu	Rule 335-3-11-.06 (107)

### Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
Wood	NA	2.33
Natural Gas	NA	NA
WWTP Residuals	NA	NA

## Bubbling Bed 01 Boiler Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of Rule 335-3-10-.02(1) and (2) (b), 40 CFR 60 Subpart Db for particulate matter, nitrogen oxides, and opacity.	Rule 335-3-10-.02 (1) and (2)(b)
3. This source is subject to the applicable requirements of 40 CFR 61 Subpart E. The Mill will demonstrate compliance with this subpart by complying with 40 CFR 63 Subpart DDDDD.	Rule 335-3-11-.02 (4)
4. This source is subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, as a new fluidized bed unit designed to burn biomass and must be compliant upon startup.	Rule 335-3-11-.06 (1) and (107)
<b>Emission Standards</b>	
1. This unit shall be classified as a new fluidized bed unit designed to burn biomass as defined in 40CFR 63 Subpart DDDDD.	Rule 335-3-11-.06 (107)
2. This source shall only fire Biomass (including but not limited to bark, wood chips thickness screening fines, facility wastewater treatment plant residuals, and pulp and paper deknotted rejects) or natural gas.	Rule 335-3-16-.05
3. Particulate matter emissions shall not exceed the following: <ul style="list-style-type: none"> <li>a. Filterable PM shall not exceed 0.00980 lb/MMBtu (<math>4.1 \times 10^{-3}</math> lb/MMBtu Effective October 6, 2025) or 7.94 lb/hr</li> <li>b. Total PM<sub>10</sub> shall not exceed 0.0243 lb/MMBtu or 19.64 lb/hr</li> <li>c. Total PM<sub>2.5</sub> shall not exceed 0.0234 lb/MMBtu or 18.93 lb/hr</li> </ul>	Rule 335-3-10-.02 (2)(b) Rule 335-3-11-.06 (107) Rule 335-3-16-.05
4. Nitrogen Oxide emissions shall not exceed 0.20 lb/MMBtu (30 day rolling average).	Rule 335-3-10-.02(2)(b) Rule 335-3-16-.05
5. Sulfur Dioxide emissions shall not exceed 0.32 lb/MMBtu or 259.20 lb/hr.	Rule 335-3-16-.05
6. Carbon Monoxide emissions shall not exceed 310 ppm @ 3% O <sub>2</sub> (30 day rolling average).	Rule 335-3-11-.06 (107) Rule 335-3-16-.05
7. Opacity shall not be greater than 20 percent except for one six-minute period per hour of not more than 27 percent and shall not be greater than 10% on a daily block average.	Rule 335-3-10-.02 (2)(b) Rule 335-3-16-.05
8. HCl emissions shall not exceed 0.022 lb/MMBtu ( $2.1 \times 10^{-4}$ lb/MMBtu Effective October 6, 2025).	Rule 335-3-11-.06 (107)
9. Mercury emissions shall not exceed 3200 grams per 24-hour period. The Mill will demonstrate compliance with this requirement by complying with 40 CFR 63 Subpart DDDDD.	Rule 335-3-11-.02 (4)
10. Mercury emissions shall not exceed $8.0 \times 10^{-7}$ lb/MMBtu.	Rule 335-3-11-.06 (107)
11. Pursuant to 40 CFR 63.7540(a)(12), boilers with a continuous oxygen trim system that maintains an optimum air to fuel ratio, must conduct a tune-up of the boiler every 5 years as specified in 63.7540(a)(10)(i) – (vi). Each tune-up must be completed no more than 61 months after the previous tune-up.	Rule 335-3-11-.06 (107)

## Bubbling Bed 01 Boiler Provisos

Federally Enforceable Provisos	Regulations
12. At all times, you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.	Rule 335-3-11-.06 (107)
13. The standards of §63.7500 apply at all times the unit is operating, except during periods of startup and shutdown during which time you must comply only with items 5 and 6 of Table 3 of 40 CFR Part 63 Subpart DDDDD.	Rule 335-3-11-.06 (107)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the PM emission limit shall be determined by Reference Method 5 or 17 in Appendix A of 40 CFR 60. For compliance with 40 CFR Part 63 Subpart DDDDD, the facility must follow the procedures of §63.7520 and Tables 5 and 7 of Subpart DDDDD.	Rule 335-3-11-.06 (107) Rule 335-3-16-.05
2. Compliance with the PM <sub>2.5</sub> and PM <sub>10</sub> emission limit shall be determined by EPA Test Method 201A and/or EPA Test Method 202.	Rule 335-3-16-.05
3. Compliance with the sulfur dioxide emission limit shall be determined by Reference Method 6 in Appendix A of 40 CFR 60.	Rule 335-3-16-.05
4. Compliance with the nitrogen oxide (NO <sub>x</sub> ) limit shall be determined in accordance with the continuous emission monitoring system.	Rule 335-3-10-.02 (2)(b) Rule 335-3-16-.05
5. Compliance with the carbon monoxide (CO) limit shall be determined in accordance with the continuous emission monitoring system.	Rule 335-3-11-.06 (107) Rule 335-3-16-.05
6. Compliance with the opacity limit shall be determined by Reference Method 9 in Appendix A of 40 CFR Part 60 or the continuous opacity monitoring system.	Rule 335-3-10-.02 (2)(b)
7. Compliance with the mercury (Hg) limit shall be determined by EPA Test Method 29, 30A, or 30B of 40 CFR Part 60 Appendix A, or Method 101A of 40 CFR Part 61 Appendix B. The facility must follow the procedures of §63.7520 and Tables 5 and 7 of Subpart DDDDD.	Rule 335-3-11-.06 (107) Rule 335-3-16-.05
8. Compliance with the hydrogen chloride emission limit shall be determined in accordance with the 40 CFR Part 60 Method 26 or 26A. The facility must follow the procedures of §63.7520 and Tables 5 and 7 of Subpart DDDDD.	Rule 335-3-11-.06 (107)
<b>Emission Monitoring</b>	
1. A particulate matter emission test shall be performed at least once per year.	Rule 335-3-16-.05
2. A hydrogen chloride (HCl) emission test shall be performed annually. The frequency of testing may be reduced to once every three years if the results of 2 consecutive performance tests are less than 75% of the emission limit as allowed by 40 CFR 63 Subpart DDDDD.	Rule 335-3-11-.06 (107)
3. A mercury (Hg) emission test shall be performed annually. The frequency of testing may be reduced to once every three years if the results of 2 consecutive performance tests are less than 75% of the emission limit as allowed by 40 CFR 63 Subpart DDDDD.	Rule 335-3-11-.06 (107)
4. A Continuous Emissions Monitoring System (CEMS) for measuring nitrogen oxides (NO <sub>x</sub> ) shall be installed, calibrated, operated, and operated in accordance with 40 CFR 60, Subpart Db, §60.48b. This continuous emission monitoring system shall be subject to the quality control and quality assurance requirements of 40 CFR Part 60 Appendix B Specification 2 and Appendix F.	Rule 335-3-10-.06 (2)(b)

## Bubbling Bed 01 Boiler Provisos

Federally Enforceable Provisos	Regulations
5. Pursuant to 40 CFR §63.7525, a Continuous Emissions Monitoring System (CEMS) for measuring carbon monoxide (CO) shall be installed, calibrated, operated, and maintained in accordance with the requirements of 40 CFR Part 60 Appendix B Specification 4, 4A, or 4B, and Appendix F.	Rule 335-3-11-.06 (107)
6. The nitrogen oxides (NO <sub>x</sub> ) and carbon monoxide (CO) continuous emissions monitoring system shall be audited at least once per calendar quarter. A relative accuracy test audit shall be performed at least once every four calendar quarters. A cylinder gas audit shall be performed in the calendar quarters when a relative accuracy test audit is not performed.	Rule 335-3-16-.05
7. A Continuous Opacity Monitoring System (COMs) which meets the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1 shall be installed, operated, calibrated, and maintained to record the opacity discharged from the unit.	Rule 335-3-10-.02 (2)(b) Rule 335-3-11-.06 (107)
8. Six-minute average opacities will be continuously recorded while the unit is in operation.	Rule 335-3-16-.05
9. Equation 19-1 from 40 CFR 60, Appendix A, Method 19 shall be used to calculate 1-hour NO <sub>x</sub> and CO lb/MMbtu emission rates. This emission rate shall be multiplied by the boilers heat input as derived from the boiler steam flow meter to determine the 1-hour NO <sub>x</sub> and CO emissions, which shall be summed each day. This steam flow to heat input table shall be verified annually during the yearly emissions testing conducted on this boiler. Daily emissions will be summed each month to obtain the monthly total. Individual monthly totals will be summed together to obtain the tons per 12-month emitted.	Rule 335-3-10-.02 (2)(b) Rule 335-3-11-.06 (107)
10. For particulate matter and opacity periodic monitoring, if the average of any ten consecutive six-minute opacity averages exceeds 15 percent the cause is to be investigated and appropriate action is to be taken.	Rule 335-3-16-.05
11. For particulate matter, monitoring, if any three-hour block average steam production rate is 110 percent of the average steam production rate set by the required complying periodic test or a complying emission test approved by the Department, the steam production rate is to be lowered until compliance is successfully demonstrated at the higher rate.	Rule 335-3-16-.05
12. Mercury re-testing is only required if changes are made in the operation that would potentially increase emissions above the level determined by the most recent sludge test.	Rule 335-3-11-.02 (4)
13. Pursuant to §63.7500(a)(2) and Table 4, The facility shall maintain the 30-day rolling average operating load such that it does not exceed 110 percent of the highest hourly average operating load recorded during the performance test.	Rule 335-3-11-.06 (107)
14. Pursuant to §63.7530(b), the facility must conduct fuel analyses according to §63.7521 and establish maximum fuel pollutant input levels for HCl and Hg according to §63.7530(b)(1)-(2).	Rule 335-3-11-.06 (107)
15. The facility must demonstrate continuous compliance with each applicable emission limit, work practice standard, and operating limit of 40 CFR 63 Subpart DDDDD according to §63.7540(a) and Table 8.	Rule 335-3-11-.06 (107)
16. Pursuant to 40 CFR Part 63, Subpart DDDDD, the permittee shall maintain opacity to less than or equal to 10 percent opacity or the highest hourly average opacity reading measured during the performance test run demonstrating compliance with the particulate matter emission limitation (daily block average). If the operating limit exceedance is indicated, corrective action is to be taken within twenty-four hours.	Rule 335-3-11-.06 (107)

## Bubbling Bed 01 Boiler Provisos

Federally Enforceable Provisos	Regulations
<b>Recordkeeping and Reporting Requirements</b>	
1. A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-16-.05
2. A NO <sub>x</sub> RATA shall be submitted to the Department at least once per year.	Rule 335-3-16-.05
3. A CO RATA shall be submitted to the Department at least once per year.	Rule 335-3-16-.05
4. Records of all one-hour block average steam production rates shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-16-.05
5. A record of rolling 30-day average carbon monoxide emissions in parts per million shall be made and maintained on file available for inspection for at least 5 years. If an emission limit exceedance is indicated, make a note in the records and make a note of the corrective action that was taken.	Rule 335-3-16-.05
6. Six-minute average opacities will be continuously recorded.	Rule 335-3-16-.05
7. A report of excess opacity emissions, as defined below, will be submitted to the Department for each calendar quarter within the month following the end of the quarter. The report will include the following information: <ul style="list-style-type: none"> <li>a. The magnitude of emissions 20 percent and greater computed on a six-minute average (data recorded during periods of opacity monitor breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages).</li> <li>b. The date and time of commencement and completion of each time period of excess emissions.</li> <li>c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted.</li> <li>d. The date and time identifying each period during which the opacity monitor was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments.</li> <li>e. When no excess emissions have occurred and the opacity monitor was not inoperative or did not require repairs or adjustments, such information will be stated in the report.</li> </ul>	Rule 335-3-16-.05
8. A written report of excess CO and opacity emissions, as defined below, will be submitted to the Department semi-annually, within the month following the end of the Semi-annual period. The reports will include the following information: <ul style="list-style-type: none"> <li>a. The magnitude of excess CO emissions over 310 ppm<sub>d</sub> @ 3% O<sub>2</sub> on a 30 day rolling average.</li> <li>b. The magnitude of excess Opacity emissions over 10% daily block average.</li> <li>c. The information as found in 40 CFR §63.7750(c) for itemized lists of information to be submitted.</li> </ul>	Rule 335-3-11-.06 (107)
9. A written report of excess NO <sub>x</sub> emissions, as defined below, will be submitted to the Department for each calendar quarter within the month following the end of the quarter. The report will include the magnitude of excess emissions over 0.20 lb/MMBTU computed from 30 day rolling averages.	Rule 335-3-16-.05
10. Records of the amount of natural gas fired shall be made and the annual capacity factor calculated for each calendar year and maintained on file available for review for at least five years.	Rule 335-3-16-.05

## Bubbling Bed 01 Boiler Provisos

Federally Enforceable Provisos	Regulations
11. A site-specific monitoring plan shall be developed in accordance with 40 CFR Part 63.7505(d), kept on file, and be readily available for review.	Rule 335-3-11-.06 (107)
12. A record of the 30-day rolling average steaming rate shall be made and maintained on file available for inspection for at least five years. If an emission limit exceedance is indicated, make a note in the records and make a note of the corrective action that was taken.	Rule 335-3-11-.06 (107)
13. Pursuant to §63.7515(f), the facility must report the results of performance tests and the associated fuel analyses within 60 days after the completion of the performance tests. The report must verify the operating limits for each boiler have not changed or provide documentation of revised operating limits according to §63.7530 and Table 7.	Rule 335-3-11-.06 (107)
14. When conducting a performance test under 40 CFR §63 Subpart DDDDD, the facility must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin.	Rule 335-3-11-.06 (107)
15. This source shall maintain all applicable records required under 40 CFR §63.7555. Records must be readily available for review according to §63.10(b)(1) for a period of 5 years.	Rule 335-3-11-.06 (107)
16. This source shall submit all applicable reports required under 40 CFR §63.7550 and Table 9.	Rule 335-3-11-.06 (107)

## No. 11 Power Boiler Informational Summary

**Description:** No. 11 Power Boiler  
**Emission Unit No:** 026  
**Installation Date:** 2018 **Reconstruction / Modification date:**  
**Operating Capacity:** 283 MMBtu/hr  
**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 60 Subpart Db**  
**40 CFR Part 63 Subpart DDDDD**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X041	No. 11 Power Boiler	Nitrogen Oxides	≤ 0.20 lb/MMBtu (30 day rolling average)	Rule 335-3-10-.02 (2)(b) Rule 335-3-14-.04
X041	No. 11 Power Boiler	Particulate Matter	≤ 0.12 lb/MMBtu	Rule 335-3-4-.03 (4)
X041	No. 11 Power Boiler	Sulfur Dioxide	≤ 4.0 lb/MMBtu	Rule 335-3-5-.01 (1)(b)
X041	No. 11 Power Boiler	Opacity	≤ 20% (six-minute average) with one 6-min period up to 40% in any one hour period	Rule 335-3-4-.01

### Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
Natural Gas	NA	NA

## No. 11 Power Boiler Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code R 335-3-10-.02 New Source Performance Standards Subpart Db and /or ADEM Admin. Code R. 335-3-14-.04 for nitrogen oxide.	Rule 335-3-10-.02 (1) and (2)(b) Rule 335-3-14-.04
3. This source is subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters as a Gas 1 Boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio.	Rule 335-3-11-.06 (1) and (107)
4. This source is subject to the requirements of ADEM Admin. Code R. 335-3-4-.01 for opacity.	Rule 335-3-4-.01
5. This source is subject to the requirements of ADEM Admin. Code R. 335-3-4-.03 (4) for particulate matter from Fuel Burning Equipment.	Rule 335-3-4-.03 (4)
6. This source is subject to the requirements of ADEM Admin. Code R. 335-3-5-.01 (1)(b) for Sulfur Dioxide.	Rule 335-3-5-.01 (1)(b)
<b>Emission Standards</b>	
1. This unit shall only fire natural gas.	Rule 335-3-16-.05
2. Visible emissions shall not be greater than twenty (20%) opacity, as determined by six (6) minute averages, except during one six (6) minute period in any sixty (60) minute period, an opacity not greater than that designated as forty percent (40%) may be discharged to the atmosphere.	Rule 335-3-4-.01
3. Nitrogen oxide emissions shall not exceed 0.20 pounds per million Btu heat when firing natural gas only.	Rule 335-3-10-.02 (2) Rule 335-3-14-.04
4. Particulate Matter emissions shall not exceed 0.12 pounds per million Btu heat input.	Rule 335-3-4-.03 (4)
5. Sulfur Dioxide emissions shall not exceed 4.0 pounds per million Btu heat input.	Rule 335-3-5-.01 (1)(b)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the nitrogen oxide limit shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 7e or the continuous emissions monitoring system (CEMS).	Rule 335-3-16-.05
2. Compliance with the opacity limit shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 9.	Rule 335-3-16-.05
3. Compliance with the particulate matter emission limit shall be determined in accordance with 40 CFR Part 60 Method 5.	Rule 335-3-4-.01
4. Compliance with the sulfur dioxide emission limit shall be determined in accordance with 40 CFR Chapter 1 Part 60 Appendix A Method 6.	Rule 335-3-16-.05
<b>Emission Monitoring</b>	
1. A CEMS for measuring nitrogen oxides (NOx) shall be installed, calibrated, maintained, and operated in accordance with 40 CFR 60, Subpart Db, 60.48b. The continuous emission monitoring systems shall be subject to the quality control and	Rule 335-3-10-.02 (2)(b)



## No. 11 Power Boiler Provisos

Federally Enforceable Provisos	Regulations
<p>quality assurance requirements of 40 CFR Part 60 Appendix B Specification 2 and Appendix F.</p> <p>2. Pursuant to §63.7500 (a) and Table 3, the facility must conduct a tune-up of the boiler every 5 years as specified in §63.7540 (12). Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up.</p>	<p>Rule 335-3-11-.06 (107)</p>
<p><b>Recordkeeping and Reporting Requirements</b></p>	
<p>1. The reporting and recordkeeping requirements of 60.49b of NSPS Subpart Db shall be followed, as applicable.</p>	<p>Rule 335-3-10-.02 (2)(b)</p>
<p>2. The facility shall submit all applicable reports and requirements under 40 CFR 63.7550(b) and Table 9.</p>	<p>Rule 335-3-11-.06 (107)</p>

## No. 3 Power Boiler Informational Summary

**Description:** No. 3 Power Boiler  
**Emission Unit No:** 003  
**Installation Date:** 1970 **Reconstruction / Modification date:**  
**Operating Capacity:** 379 MMBtu/hr  
**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart DDDDD**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
Z017	No. 3 Power Boiler	Particulate Matter	≤ 0.12 lb/MMBtu	Rule 335-3-4-.03 (2)
Z017	No. 3 Power Boiler	Sulfur Dioxide	≤ 4.0 lb/MMBtu	Rule 335-3-5-.01 (1)(b)
Z017	No. 3 Power Boiler	Opacity	≤ 20% (six-minute average) with one 6-min period up to 40% in any one hour period	Rule 335-3-4-.01

### Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
Natural Gas	NA	NA

## No. 3 Power Boiler Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the requirements of ADEM Admin. Code 335-3-4-.03 (2) for particulate matter from fuel burning equipment.	Rule 335-3-4-.03 (2)
3. This source is subject to the requirements of ADEM Admin. Code 335-3-5-.01 (1)(b) for sulfur dioxide.	Rule 335-3-5-.01 (1)(b)
4. This source is subject to the requirements of ADEM Admin. Code 335-3-4-.01 for opacity.	Rule 335-3-4-.01
5. This source is subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters as a Gas 1 Boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio.	Rule 335-3-11-.06 (1) and (107)
<b>Emission Standards</b>	
1. This unit shall only fire natural gas.	Rule 335-3-16-.05
2. Particulate matter emissions shall not exceed 0.12 pounds per million Btu.	Rule 335-3-4-.03 (2)
3. Sulfur dioxide emissions from the No. 3 Power Boiler (Permit unit Z017) shall not exceed 4.0 pounds per million Btu heat input.	Rule 335-3-5-.01 (1)(b)
4. Visible emissions shall not be greater than twenty (20%) opacity, as determined by six (6) minute averages, except during one six (6) minute period in any sixty (60) minute period, an opacity not greater than that designated as forty percent (40%) may be discharged to the atmosphere.	Rule 335-3-4-.01
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60 Method 5 or 17.	Rule 335-3-16-.05
2. Compliance with the sulfur dioxide emission limit shall be determined by 40 CFR Part 60 Appendix A Reference Method 6.	Rule 335-3-16-.05
3. Compliance with the Opacity limit shall be determined by 40 CFR Part 60 Appendix A Reference Method 9.	Rule 335-3-4-.01
<b>Emission Monitoring</b>	
1. Pursuant to §63.7500 (a) and Table 3, the facility must conduct a tune-up of the boiler every 5 years as specified in §63.7540 (12). Each 5-year tune-up must be conducted no more than 61 months after the previous tune-up.	Rule 335-3-11-.06 (107)

## No. 3 Power Boiler Provisos

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<b>Recordkeeping and Reporting Requirements</b> 1. The facility shall submit all applicable reports and requirements under 40 CFR 63.7550(b) and Table 9.	Rule 335-3-11-.06 (107)

## No. 8 Paper Machine Informational Summary

**Description:** No. 8 Paper Machine

**Emission Unit No:** X045

**Installation Date:** 2019 **Reconstruction / Modification date:**

**Operating Capacity:** 82,861 ADTFP/yr

**Operating Schedule:** 8760 hours/year.

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
X045	No. 8 Paper Machine	Particulate Matter	E = 3.59 P <sup>0.62</sup>	Rule 335-3-4-.04

## No. 8 Paper Machine Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the requirements of ADEM Admin. Code R. 335-3-4-.04 (1), "Control of Particulate Matter Emissions".	Rule 335-3-4-.04
<b>Emission Standards</b>	
1. Particulate Matter emissions shall not exceed $E = 3.59P^{0.62}$ where P is the process weight rate in tons/hour and E is the particulate matter emission rate in lbs/hr.	Rule 335-3-4-.04
<b>Compliance and Performance Test Methods and Procedures</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	
<b>Emission Monitoring</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	
<b>Recordkeeping and Reporting Requirements</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	

## New Converting Lines Informational Summary

**Description:** PCMC Forte Line with Drum Filter and Towel 9 Converting Line with Wet Scrubber

**Emission Unit No:** X047

**Installation Date:** 2021

**Reconstruction / Modification date:**

**Operating Capacity:** Tissue: 5,333,745 cases/year  
Towel: 4,000,035 cases/year

**Operating Schedule:** 8760 hours/year.

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 63 Subpart JJJJ**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
T009	Towel 9 Converting Line	PM	$E = 3.59 P^{0.62}$	Rule 335-3-4-.04 (1)
T009	Towel 9 Converting Line	HAPs	$\leq 1.6$ percent of the mass of coating materials applied for each month	Rule 335-3-11-.06 (87)
NF6	PCMC Forte Line	HAPs	$\leq 1.6$ percent of the mass of coating materials applied for each month	Rule 335-3-11-.06 (87)

## New Converting Lines Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. The Towel 9 Converting Line is subject to the requirements of ADEM Admin. Code R. 335-3-4-.04 (5), "Control of Particulate Matter Emissions".	Rule 335-3-4-.04 (5)
3. The PCMC Forte Line and Towel 9 Converting Line is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants General Provisions as provided for in Table 2 of Subpart JJJJ and 40 CFR Part 63 Subpart JJJJ as referenced in ADEM Admin. Code R. 335-3-11-.06 (87).	Rule 335-3-11-.06 (1) and (87)
<b>Emission Standards</b>	
1. For the Towel 9 Converting Line, particulate matter emissions shall not exceed $E = 3.59P^{0.62}$ where P is the process weight rate in tons/hour and E is the particulate matter emission rate in pounds/hour.	Rule 335-3-4-.04 (1)
2. Pursuant to §63.3320(b)(2), organic HAP emissions shall be limited to no more than 1.6 percent of the mass of coating materials applied for each month.	Rule 335-3-11-.06 (87)
3. Pursuant to §63.3330(b)(1) and §63.3340(a), the source must be in compliance with the emission standards of §63.3320 at all times, including periods of startup, shutdown, and malfunction, immediately upon startup.	Rule 335-3-11-.06 (87)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. In accordance with 40 CFR Part 63, Subpart JJJJ, the facility must demonstrate compliance each month with the emission standards of §63.3320 according to §63.3370.	Rule 335-3-11-.06 (87)
2. In accordance with 40 CFR Part 63, Subpart JJJJ, the facility must use the procedures in §63.3360(c) and (d) to determine the organic HAP or volatile matter and coating solids content of coating materials.	Rule 335-3-11-.06 (87)
<b>Emission Monitoring</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	
<b>Recordkeeping and Reporting Requirements</b>	
1. The facility must submit a semiannual compliance report according to §63.3400(c)(1) and (2). Each compliance report must be submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.	Rule 335-3-11-.06 (87)
2. A Notification of Compliance Status as specified in §63.9(h), shall be submitted electronically according to §63.3400(h).	Rule 335-3-11-.06 (87)
3. Pursuant to §63.3340(b)(3), the facility must electronically submit initial notifications and notifications of compliance status as required in §63.3400 immediately upon startup. Semiannual compliance reports must also be submitted electronically for the first full semiannual compliance period after the template has been available in CEDRI for 1 year.	Rule 335-3-11-.06 (87)
4. The facility must maintain all applicable records required in §63.3410(a). Records must be readily available for review according to §63.10(b) for a period of 5 years.	Rule 335-3-11-.06 (87)
5. Pursuant to §63.3410(e), any records required to be maintained by this part that are submitted electronically via EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities	Rule 335-3-11-.06 (87)



## New Converting Lines Provisos

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.	

## No. 4 Recovery Furnace Informational Summary

**Description:** No. 4 Recovery Furnace  
**Emission Unit No:** 006  
**Installation Date:** 1992 **Reconstruction / Modification date:**  
**Operating Capacity:** 283,340 lb BLS/hr  
**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 60 Subpart Db**  
**40 CFR Part 60 Subpart BB**  
**40 CFR Part 63 Subpart MM**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X024	No. 4 Recovery Furnace	Particulate Matter	$\leq 0.024$ gr/DSCF at 8% O <sub>2</sub> and $\leq 74.4$ lb/hr	Rule 335-3-14-.04 (9)
X024	No. 4 Recovery Furnace	Total Reduced Sulfur	$\leq 5$ ppmv at 8% O <sub>2</sub> and $\leq 9.0$ lb/hr	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
X024	No. 4 Recovery Furnace	Sulfur Dioxide	$\leq 94$ ppmv at 8% O <sub>2</sub> and $\leq 339$ lb/hr (Three-hour average) when black liquor is being fired; $\leq 0.3$ lb/MMBtu when fuel oil is fired	Rule 335-3-14-.04 (9)
X024	No. 4 Recovery Furnace	Nitrogen Oxides	$\leq 100$ ppmv at 8% O <sub>2</sub> and $\leq 298$ lb/hr when black liquor is fired; $\leq 0.10$ lb/MMBtu when natural gas or distillate fuel oil is fired;  When natural gas or distillate fuel oil is fired with a byproduct: $E_n = \frac{0.1(H_g + H_o) + 0.3(H_{BL} + H_S)}{(H_g + H_o + H_{BL} + H_S)}$	Rule 335-3-14-.04 (9) Rule 335-3-10-.02 (2)(b)
X024	No. 4 Recovery Furnace	Opacity	$\leq 35\%$ (six-minute average)	Rule 335-3-10-.02 (28) Rule 335-3-11-.06 (38)
X024	No. 4 Recovery Furnace	Carbon Monoxide	$\leq 327$ ppmv at 8% O <sub>2</sub> and $\leq 515.9$ lb/hr when black liquor is fired	Rule 335-3-14-.04 (9)
X024	No. 4 Recovery Furnace	Volatile Organic Compounds	$\leq 184$ ppmv at 8% O <sub>2</sub> and $\leq 124.4$ lb/hr when black liquor is fired	Rule 335-3-14-.04 (9)
X024	No. 4 Recovery Furnace	HAPs	PM as a surrogate $\leq 0.044$ gr/DSCF at 8% O <sub>2</sub>	Rule 335-3-11-.06 (38)

### Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
No. 2 Fuel Oil	0.5	
Natural Gas	NA	NA
BLS	NA	NA
Soap	NA	NA

## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of the Federal New Source Performance Standards found in 40 CFR Part 60 Subpart A and Subpart BB for kraft pulp mills.	Rule 335-3-10-.02 (1) and (28)
3. This Source is subject to the requirements of ADEM Admin. Code 335-3-14-.04 (9)(b) for particulate matter, total reduced sulfur, sulfur dioxide, nitrogen oxides, carbon monoxide and volatile organic compounds.	Rule 335-3-14-.04 (9)
4. This source is subject to the applicable requirements of Rule 335-3-10-.02 (2)(b) New Source Performance Standards Subpart Db for nitrogen oxide emissions and 40 CFR 60 Subpart A, General Provisions when distillate fuel oil or natural gas are fired.	Rule 335-3-10-.02 (1) and (2)(b)
5. This source is subject to the requirements of National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart MM and 40 CFR Part 63 Subpart MM as referenced in ADEM Admin. Code 335-3-11-.06 (38) when black liquor is fired.	Rule 335-3-11-.06 (1) and (38)
<b>Emission Standards</b>	
1. Particulate matter emissions shall not exceed the more stringent of 0.024 grains per DSCF at 8 % oxygen and 74.4 pounds per hour.	Rule 335-3-14-.04 (9)
2. Total reduced sulfur emissions shall not exceed the more stringent of 5 parts per million by volume at 8% oxygen and 9.0 pounds per hour when black liquor is fired. The 12-hour average TRS concentration uncorrected for oxygen may be considered when determining compliance with this emission limit during periods of startup or shutdown when the 12-hour average stack oxygen percentage approaches ambient conditions. If the 12-hour average TRS concentration uncorrected for oxygen is less than 5 parts per million during periods of startup or shutdown when the 12-hour average stack oxygen concentration is 15% or greater, then the Department will consider the TRS average to be in compliance and these periods should not be reported as excess emissions. This only applies during periods of startup and shutdown.	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
3. Nitrogen oxide emissions shall not exceed the more stringent of 100 ppmv at 8% oxygen and 298 pounds per hour when black liquor is fired.	Rule 335-3-14-.04 (9) Rule 335-3-10-.02 (2)(b)
When only natural gas or distillate fuel oil are fired, nitrogen oxide emissions shall not exceed 0.10 pound per million Btu heat input (30-day rolling average).	
When oil or natural gas is simultaneously fired with a byproduct (i.e. soap or black liquor), nitrogen oxide emissions shall not exceed amounts as determined by the following equation (30-day rolling average).	
$E_n = \frac{0.1(H_g + H_o) + 0.3(H_{BL} + H_S)}{(H_g + H_o + H_{BL} + H_S)}$	
Where:	
$E_n$ = NOX emission limit (lb/MMBtu);	
$H_g$ = Heat input from combustion of natural gas (MMBtu);	
$H_o$ = Heat input from combustion of distillate oil (MMBtu);	
$H_{BL}$ = Heat input from combustion of black liquor solids (MMBtu);	
$H_S$ = Heat input from combustion of soap (MMBtu);	

## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
4. When firing fuel oil, this unit shall only fire fuel oil that contains no more than 0.5% sulfur by weight.	Rule 335-3-10-.02 (2)(b)
5. Sulfur dioxide emissions shall not exceed the more stringent of 94 parts per million by volume at 8% oxygen and 339 pounds per hour (three-hour average) when black liquor is being fired.  When fuel oil is fired, sulfur dioxide emissions shall not exceed 0.3 pounds per million Btu fuel oil heat input.	Rule 335-3-14-.04 (9)
6. Pursuant to 40 CFR Part 63, Subpart MM, this unit's opacity shall not exceed 35% for 2% or more of the operating time when black liquor is fed within any semiannual period.	Rule 335-3-11-.06 (38)
7. Pursuant to 40 CFR Part 60, Subpart BB, this unit's opacity shall not exceed 35% for 6% or more of the operating time within any quarter.	Rule 335-3-10-.02 (28)
8. Carbon monoxide emissions shall not exceed the more stringent of 327 ppmv at 8% oxygen and 515.9 pounds per hour when black liquor is being fired.	Rule 335-3-14-.04 (9)
9. Volatile organic compound emissions shall not exceed the more stringent of 184 ppmv at 8% oxygen and 124.4 pounds per hour when black liquor is being fired.	Rule 335-3-14-.04 (9)
10. In accordance with 40 CFR Part 63 Subpart MM, particulate matter emissions, as a surrogate for HAPs, shall not exceed 0.024 grains per DSCF at 8 % oxygen.	Rule 335-3-11-.06 (38)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60 Method 5 or 17.	Rule 335-3-16-.05
2. Compliance with the total reduced sulfur emission limit shall be determined in accordance with the continuous emission monitoring system or 40 CFR Part 60 Method 16, 16A or 16B.	Rule 335-3-16-.05
3. Compliance with the sulfur dioxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 6.	Rule 335-3-16-.05
4. Compliance with the nitrogen oxide concentration and pounds per hour emission limits shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 7, 7A, 7B, 7C, 7D, or 7E.	Rule 335-3-16-.05
5. Compliance with the nitrogen oxide pounds per million Btu limit shall be determined with the continuous emission monitor based on a thirty-day rolling average. The nitrogen oxide continuous emission monitoring system shall be audited at least once per calendar quarter. A relative accuracy test audit shall be performed at least once every four calendar quarters. A cylinder gas audit may be performed in three of four calendar quarters but in no more than three quarters in succession.	Rule 335-3-16-.05 Rule 335-3-10-.02 (2)(b)
6. Compliance with the opacity limit shall be determined in accordance with the continuous opacity monitoring system or 40 CFR Part 60 Appendix A Method 9.	Rule 335-3-16-.05
7. Compliance with the carbon monoxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 10.	Rule 335-3-16-.05
8. Compliance with the volatile organic compound emission limit shall be determined in accordance with the 40 CFR Part 60 Method 18, 25, 25A or 25B.	Rule 335-3-16-.05
<b>Emission Monitoring</b>	
1. A particulate matter emission test shall be performed at least once per year.	Rule 335-3-16-.05
2. For particulate matter and opacity periodic monitoring, if the average of any ten consecutive six-minute opacity averages exceeds 20 percent the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05 Rule 335-3-11-.06 (38)

## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
3. Six- minute average opacities will be continuously recorded while the unit is in operation.	Rule 335-3-16-.05
4. For particulate matter, total reduced sulfur, sulfur dioxide, nitrogen oxides, carbon monoxide and volatile organic compound periodic monitoring, if any three-hour block average liquor firing rate is greater than 110 percent of its average value set by the required complying periodic test or a complying test approved by the Department, the feed rate is to be lowered until compliance is successfully demonstrated at the higher rate.	Rule 335-3-16-.05
5. A continuous emission monitoring system for the measurement of total reduced sulfur and oxygen shall be installed, calibrated, operated and maintained pursuant to §60.284.	Rule 335-3-16-.05 Rule 335-3-10-.02 (28)
6. A continuous emission monitoring system for the measurement of opacity shall be installed, operated and maintained pursuant to §60.284.	Rule 335-3-16-.05 Rule 335-3-10-.02 (28) Rule 335-3-11-.06 (38)
7. A continuous emission monitoring system (CEMS) to monitor NO <sub>x</sub> and O <sub>2</sub> (or CO <sub>2</sub> ) shall be installed, operated and maintained consistent with the requirements of 40 CFR Part 60 Subpart Db, Section 60.48b(b).	Rule 335-3-10-.02 (2)(b)
8. A sulfur dioxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
9. A nitrogen oxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
10. A carbon monoxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
11. A volatile organic compound emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
12. The facility must maintain proper operation of the electrostatic precipitator's automatic voltage control (AVC) system.	Rule 335-3-11-.06(38)
13. For compliance with 40 CFR Part 63, Subpart MM, a particulate matter performance test shall be performed, pursuant to §63.865, every 5 years.  Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.	Rule 335-3-11-.06(38)
14. The Administrator will not consider periods of excess emissions reported under 60.284(d) to be indicative of a violation of 60.11(d) provided that:  (1) The percent of the total number of possible contiguous periods of excess emissions in a quarter (excluding periods of startup, shutdown, or malfunction and periods when the facility is not operating) during which excess emissions occur does not exceed: (i) One percent for TRS emissions from recovery furnaces. (ii) Six percent for average opacities from recovery furnaces. (2) The Administrator determines that the affected facility, including air pollution control equipment, is maintained and operated in a manner which is consistent with good air pollution control practice for minimizing emissions during periods of excess emissions.	Rule 335-3-10-.02 (28)
<b>Recordkeeping and Reporting Requirements</b>	
1. A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-16-.05
2. Records of all six-minute average opacities shall be made and maintained on file available for inspection for a period of five years.	Rule 335-3-16-.05
3. Records of all three-hour block average liquor-firing rates shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-16-.05

## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
4. A sulfur dioxide (SO <sub>2</sub> ) emission test report shall be submitted to the Department at least every five years.	Rule 335-3-16-.05
5. A nitrogen oxide emission test report shall be submitted to the Department at least every five years.	Rule 335-3-16-.05
6. A carbon monoxide emission test report shall be submitted to the Department at least every five years.	Rule 335-3-16-.05
7. A volatile organic compound emission test report shall be submitted to the Department at least every five years.	Rule 335-3-16-.05
8. Fuel receipts from the fuel oil supplier that certify sulfur content in fuel for every load received by the mill shall be maintained on site available for inspection for at least five years.	Rule 335-3-16-.05
9. A report of excess total reduced sulfur (TRS) emissions, as defined below, will be submitted to the Department for each calendar quarter within the month following the end of the quarter. The reports will include the following information: <ul style="list-style-type: none"> <li>i. The magnitude of excess emissions greater than 5 parts per million adjusted to 8 percent oxygen computed from twelve hour averages (data recorded during periods of total reduced sulfur emission monitoring system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages).</li> <li>ii. The date and time of commencement and completion of each time period of excess emissions.</li> <li>iii. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted.</li> <li>iv. The date and time identifying each period during which the total reduced sulfur emission monitoring system was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments.</li> <li>v. When no excess emissions have occurred and the total reduced sulfur emission monitoring system was not inoperative or did not require repairs or adjustments, such information will be stated in the report.</li> </ul>	Rule 335-3-16-.05
10. The nitrogen oxide (NO <sub>x</sub> ) emission rate shall be determined each day in lb/MMBtu and a 30-day rolling average emission rate shall be calculated on a daily basis.	Rule 335-3-10-.02 (2)(b)
11. The nitrogen oxides (NO <sub>x</sub> ) continuous emissions monitoring system audit report shall be submitted to the Department within thirty days of the end of each calendar quarter.	Rule 335-3-10-.02 (2)(b)

## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
<p>12. A report of excess nitrogen oxide (NO<sub>x</sub>) emissions, as defined below, will be submitted to the Department for each calendar quarter within the month following the end of the quarter. The reports shall include the following information:</p> <ul style="list-style-type: none"> <li>i. The magnitude of excess emissions computed on a 30 day rolling average (data recorded during periods of nitrogen oxide emission monitoring system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages).</li> <li>ii. The date and time of commencement and completion of each time period of excess emissions.</li> <li>iii. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted.</li> <li>iv. The date and time identifying each period during which the nitrogen oxide emission monitoring system was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments.</li> <li>v. When no excess emissions have occurred and the nitrogen oxide emission monitoring system was not inoperative or did not require repairs or adjustments, such information will be stated in the report.</li> </ul>	Rule 335-3-10-.02 (2)(b)
<p>13. Pursuant to 40 CFR Part 63, Subpart MM the facility must maintain records of any occurrence when corrective action is required when the average of ten consecutive 6-minute averages result in a measurement greater than 20 percent opacity while black liquor is fired, and when a violation is noted when opacity is greater than 35 percent for 2 percent or more of the operating time (i.e., when black liquor is fired) within any semiannual period.</p> <p>The facility must also maintain records and documentation of supporting calculations for compliance determinations made under 40 CFR 63.865 (a) through (d).</p>	Rule 335-3-11-.06 (38)
<p>14. Pursuant to 40 CFR Part 63, Subpart MM the facility must maintain records of the black liquor firing rates in terms of tons/day or Mg/day.</p>	Rule 335-3-11-.06 (38)
<p>15. In accordance with §63.866(d), in the event this unit fails to meet and emission limit in §63.862 or any opacity operating limit in §63.864, record the number of failures. For each failure record the date, start time, duration of each failure, and:</p> <ul style="list-style-type: none"> <li>(i) For any failure to meet an emission limit in §63.862, record an estimate of the quantity of each regulated pollutant emitted over the emission limit and a description of the method used to estimate the emissions.</li> <li>(ii) For each failure to meet an operating limit in §63.864, maintain sufficient information to estimate the quantity of each regulated pollutant emitted of the emission limit. This information must be sufficient to provide a reliable emissions estimate if requested by the Administrator.</li> </ul> <p>Record actions taken to minimize emissions in accordance with §63.860(d) and any corrective actions taken to return the unit to its normal or usual manner of operation.</p>	Rule 335-3-11-.06 (38)

## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
<p>16. In accordance with 40 CFR Part 63, Subpart MM, the facility must submit a semiannual Excess Emissions Report and/or Summary Report containing the information required in §63.867 (c), including the number and duration of occurrences when the average of ten consecutive 6-minute averages result in a measurement greater than 20 percent opacity, and when the opacity is greater than 35 percent for 2 percent or more of the operating time within any semiannual period when spent pulping liquor is fed. If the total duration of excess emissions or process control system parameter exceedances for the reporting period is less than 1 percent of the total reporting period operating time, and CMS downtime is less than 5 percent of the total reporting period operating time, only the Summary Report is required to be submitted. If the total duration of excess emissions or process control system parameter exceedances for the reporting period is 1 percent or greater of the total reporting period operating time, or the total CMS downtime for the reporting period is 5 percent or greater of the total reporting period operating time, or any violations according to §63.864(k)(2) occurred, information from the Summary Report, Excess Emissions Report, and Continuous Monitoring System must be submitted.</p> <p>Excess Emissions and Summary Reports must be reported electronically via CEDRI per §63.867(d)(2) once the reporting form specific to 40 CFR Part 63, Subpart MM has been available in CEDRI for one year.</p> <p>Reports shall be submitted within 30 days following the end of the semiannual periods ending on June 30 and December 31.</p>	<p>Rule 335-3-11-.06 (38)</p>
<p>17. The facility shall submit a report containing all of the required information found in 40 CFR 60.7 (c) and 40 CFR 60.284(d)(1) by the 30<sup>th</sup> day following the end of each semi-annual reporting period.</p>	<p>Rule 335-3-10-.02 (28)</p>
<p>18. Records and supporting documentation shall be kept for the compliance determinations, operating ranges, and parameter ranges established for this unit.</p>	<p>Rule 335-3-11-.06 (38)</p>
<p>19. The facility shall maintain records demonstrating compliance with the requirement of 40 CFR 63.864(e)(1) to maintain proper operation of an electrostatic precipitator's AVC.</p>	<p>Rule 335-3-11-.06 (38)</p>



## No. 4 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
<p>20. Within 60 days of completing each performance test required by 40 CFR 63 Subpart MM, the facility must submit the results of the performance test following the procedure specified in either paragraph (i) or (ii) below.</p> <p style="margin-left: 40px;">i. For data collected using test methods supported by the EPA’s Electronic Reporting Tool (ERT) as listed on the EPA’s ERT website at the time of the test, the owner or operator must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). Performance test data must be submitted in a file format generated through the use of the EPA’s ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA’s ERT website. If the facility claims that some of the performance test information being submitted is confidential business information (CBI), the facility must submit a complete file generated through the use of the EPA’s ERT or an alternate electronic file consistent with the XML schema listed on EPA’s ERT website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U. S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA’s CDX as described above.</p> <p style="margin-left: 40px;">ii. For data collected using test methods that are not supported by the EPA’s ERT as listed on the EPA’s ERT website at the time of the test, the owner or operator must submit results of the performance test to the Administrator at the appropriate address listed in 40 CFR 63.13 unless the Administrator agrees to or specifies an alternative reporting method.</p>	<p>Rule 335-3-11-.06 (38)</p>

## No. 4 Smelt Dissolving Tank Informational Summary

**Description:** No. 4 Smelt Tank

**Emission Unit No:** 007

**Installation Date:** 1992

**Reconstruction / Modification date:**

**Operating Capacity:** 283,340 lb BLS/hr

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 60 Subpart BB**

**40 CFR Part 63 Subpart MM**

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
X025	No. 4 Smelt Dissolving Tank	Particulate Matter	≤ 0.2 lb/ton BLS (dry weight) and ≤ 22.5 lb/hr	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
X025	No. 4 Smelt Dissolving Tank	Total Reduced Sulfur	≤ 0.033 lb/ton BLS and ≤ 3.7 lb/hr	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
X025	No. 4 Smelt Dissolving Tank	Sulfur Dioxide	≤ 15 lb/hr	Rule 335-3-14-.04 (9)
X025	No. 4 Smelt Dissolving Tank	Opacity	≤ 20% with one 6-min period up to 40% in any one hour period	Rule 335-3-4-.01
X025	No. 4 Smelt Dissolving Tank	HAPs	PM as a surrogate ≤ 0.2 lb/ton BLS (dry weight)	Rule 335-3-11-.06 (38)

## No. 4 Smelt Dissolving Tank Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of Rule 335-3-10-.02 (1) and (28) New Source Performance Standards Subpart BB for kraft pulp mills.	Rule 335-3-10-.02 (1) and (28)
3. This source is subject to the applicable requirements of Rule 335-3-14-.04 for particulate matter, total reduced sulfur, and sulfur dioxide.	Rule 335-3-14-.04
4. This source is subject to the requirements of ADEM Admin. Code 335-3-4-.01 for Opacity.	Rule 335-3-4-.01
5. This source is subject to the requirements of National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart MM and 40 CFR Part 63 Subpart MM as referenced in ADEM Admin. Code 335-3-11-.06(38) when black liquor solids are being fed.	Rule 335-3-11-.06 (1) and (38)
<b>Emission Standards</b>	
1. Particulate matter emissions shall not exceed the more stringent of 0.2 pounds per ton of black liquor solids (dry weight) and 22.5 pounds per hour.	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
2. Total reduced sulfur emissions shall not exceed 0.033 pounds per ton of black liquor solids and 3.7 pounds per hour.	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
3. Sulfur dioxide emissions shall be no greater than 15 pounds per hour.	Rule 335-3-14-.04 (9)
4. Opacity shall not exceed twenty percent as determined by six-minute average. During one six-minute period in any sixty minute period, a person may discharge into the atmosphere from any source of emission, particulate of an opacity not greater than that designated as forty percent.	Rule 335-3-4-.01
5. In accordance with 40 CFR Part 63 Subpart MM, particulate matter emissions, as a surrogate for HAPs, shall not exceed 0.20 pound per ton of black liquor solids fired.	Rule 335-3-11-.06 (38)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60 Method 5.	Rule 335-3-16-.05
2. Compliance with the total reduced sulfur emission limit shall be determined in accordance with 40 CFR Part 60 Method 16, 16A or 16B.	Rule 335-3-16-.05
3. Compliance with the sulfur dioxide emission limit shall be determined in accordance with 40 CFR Part 60 Method 6.	Rule 335-3-16-.05
4. Compliance with the opacity limit shall be determined in accordance with the 40 CFR Part 60 Method 9.	Rule 335-3-4-.01
<b>Emission Monitoring</b>	
1. A particulate matter emission test shall be performed at least once per year.	Rule 335-3-16-.05
2. A total reduced sulfur emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
3. A sulfur dioxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
4. For particulate matter, total reduced sulfur, and sulfur dioxide periodic monitoring, if any three-hour block average liquor firing rate is greater than 110 percent of its value set by the required complying periodic test or a complying test approved by the Department, the feed rate is to be lowered until compliance is successfully demonstrated at the higher rate.	Rule 335-3-16-.05

## No. 4 Smelt Dissolving Tank Provisos

Federally Enforceable Provisos	Regulations
<p>5. For particulate matter, total reduced sulfur, and sulfur dioxide periodic monitoring, if any three-hour block average wet scrubber weak wash liquid flow rate to the fan is less than 90 percent of its respective average value set by the required complying periodic test or a complying test approved by the Department, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.</p>	Rule 335-3-16-.05
<p>6. The owner or operator must establish operating limits for the scrubber liquid supply flow rate and scrubber fan amperage per §63.864(j).</p>	Rule 335-3-11-.06 (38)
<p>7. In accordance with §63.864(e)(10), the facility shall monitor and record the wet scrubber liquid supply flow rate and fan amperage at least once every successive 15-minute period during times when spent pulping liquor is fed. The parametric monitoring system shall meet the requirements listed in §63.8(c) and §63.864(e)(10)(ii) and (iii).</p> <p>This unit shall not have 6 or more 3-hour average parameter values within any 6-month reporting period that are below the minimum operating limits established in accordance with §63.864(j) during times when spent pulping liquor is fed.</p> <p>No more than one exceedance will be attributed in any given 24-hour period.</p>	Rule 335-3-11-.06 (38)
<p>8. For compliance with 40 CFR Part 63, Subpart MM, a particulate matter performance test shall be performed, pursuant to §63.865, every 5 years.</p> <p>Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.</p>	Rule 335-3-11-.06 (38)
<p><b>Recordkeeping and Reporting Requirements</b></p>	
<p>1. A particulate matter emission test report shall be submitted to the Department at least once per year.</p>	Rule 335-3-16-.05
<p>2. Records of all three-hour block average liquor firing rates shall be made and maintained on file available for inspection for at least five years.</p>	Rule 335-3-16-.05
<p>3. Records of all three-hour block average wet scrubber weak wash liquid flow rates to the fan shall be made and maintained on file available for inspection for at least five years.</p>	Rule 335-3-16-.05
<p>4. Records of all three-hour block average fan motor amperages shall be made and maintained on file available for inspection for at least five years.</p>	Rule 335-3-16-.05
<p>5. A sulfur dioxide emission test report shall be submitted to the Department at least once every five years.</p>	Rule 335-3-16-.05
<p>6. A total reduced sulfur emission test report shall be submitted to the Department at least once every five years.</p>	Rule 335-3-16-.05
<p>7. Pursuant to 40 CFR Part 63, Subpart MM (§63.866(b)), the facility must maintain records of any occurrence when corrective action is required (when a 3-hour average flow rate or fan amperage value is outside the established range of values while black liquor solids are being fired), and when a violation is noted (when six or more 3-hour average flow rate or fan amperage values within any 6-month reporting period are outside the established range of values while black liquor solids are being fired). No more than one exceedance will be attributed in any given 24-hour period.</p>	Rule 335-3-11-.06 (38)



## No. 4 Smelt Dissolving Tank Provisos

Federally Enforceable Provisos	Regulations
<p>10. Within 60 days of completing each performance test required by 40 CFR 63 Subpart MM, the facility must submit the results of the performance test following the procedure specified in either paragraph (i) or (ii) below.</p> <ul style="list-style-type: none"> <li>i. For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website at the time of the test, the owner or operator must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT website. If the facility claims that some of the performance test information being submitted is confidential business information (CBI), the facility must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U. S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described above.</li> <li>ii. For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test, the owner or operator must submit results of the performance test to the Administrator at the appropriate address listed in 40 CFR 63.13 unless the Administrator agrees to or specifies an alternative reporting method.</li> </ul>	<p>Rule 335-3-11-.06 (38)</p>

## No. 3 Lime Kiln Informational Summary

**Description:** No. 3 Lime Kiln

**Emission Unit No:** 008

**Installation Date:** 1991

**Reconstruction / Modification date:**

**Operating Capacity:** 44,000 lb CaO/hr

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 60 Subpart BB**

**40 CFR Part 63 Subpart MM**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X026	No. 3 Lime Kiln	Particulate Matter	$\leq 0.064$ gr/DSCF at 10% O <sub>2</sub> and $\leq 24.5$ lb/hr when firing natural gas.	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Total Reduced Sulfur	$\leq 8$ ppm at 10% O <sub>2</sub> and $\leq 1.8$ lb/hr	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Sulfur Dioxide	$\leq 66.5$ lb/hr	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Opacity	$\leq 20\%$ with one 6-min period up to 40% in any one hour period	Rule 335-3-4-.01
X026	No. 3 Lime Kiln	Nitrogen Oxide	$\leq 175$ ppmv at 10% O <sub>2</sub> and $\leq 56.8$ lb/hr	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Carbon Monoxide	$\leq 350$ ppmv at 10% O <sub>2</sub> and $\leq 69.4$ lb/hr	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Volatile Organic Compounds	$\leq 5.1$ lb/hr	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	HAPs	PM as a surrogate $\leq 0.064$ gr/DSCF at 10% O <sub>2</sub>	Rule 335-3-11-.06 (38)

### Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
Natural Gas	NA	NA

## No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to federal New Source Performance Standards 40 CFR 60 Subpart A and Subpart BB.	Rule 335-3-10-.02 (1) and (28)
3. This Source is subject to the requirements of ADEM Admin. Code 335-3-14-.04(9) for particulate matter, total reduced sulfur, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds.	Rule 335-3-14-.04 (9)
4. This source is subject to the requirements of ADEM Admin. Code 335-3-4-.01 for opacity.	Rule 335-3-4-.01
5. This source is subject to the requirements of National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart MM and 40 CFR Part 63 Subpart MM as referenced in ADEM Admin. Code 335-3-11-.06 (38).	Rule 335-3-11-.06 (1) and (38)
<b>Emission Standards</b>	
1. Particulate emissions shall not exceed the more stringent of 0.064 gr/DSCF at 10 percent oxygen and 24.5 pounds per hour when firing natural gas.	Rule 335-3-14-.04 (9)
2. Total reduced sulfur shall not exceed the more stringent of 8 parts per million at 10 percent oxygen and 1.8 pounds per hour while lime mud is being fed. The 12-hour average TRS concentration uncorrected for oxygen may be considered when determining compliance with this emission limit during periods of startup or shutdown when the 12-hour average stack oxygen percentage approaches ambient conditions. If the 12-hour average TRS concentration uncorrected for oxygen is less than 8 parts per million during periods of startup or shutdown when the 12-hour average stack oxygen concentration is 15% or greater, then the Department will consider the TRS average to be in compliance and these periods should not be reported as excess emissions. This only applies during periods of startup and shutdown.	Rule 335-3-14-.04 (9)
3. Sulfur dioxide emissions shall not exceed 66.5 pounds per hour.	Rule 335-3-14-.04 (9)
4. Opacity shall not exceed twenty percent as determined by six-minute average. During one six-minute period in any sixty-minute period, a person may discharge into the atmosphere from any source of emission, particulate of an opacity not greater than that designated as forty percent.	Rule 335-3-4-.01
5. Nitrogen oxide emissions shall not exceed the more stringent of 175 ppmv at 10 percent oxygen and 56.8 pounds per hour.	Rule 335-3-14-.04 (9)
6. Carbon monoxide emissions shall not exceed the more stringent of 350 ppmv at 10 percent oxygen and 69.4 pounds per hour.	Rule 335-3-14-.04 (9)
7. Volatile organic compound emissions shall not exceed 5.1 pounds per hour.	Rule 335-3-14-.04 (9)
8. In accordance with 40 CFR Part 63 Subpart MM, particulate matter emissions, as a surrogate for HAPs, shall not exceed 0.064 gr/DSCF at 10 percent oxygen.	Rule 335-3-11-.06 (38)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60 Method 5 or 17.	Rule 335-3-16-.05
2. Compliance with the opacity limit shall be determined in accordance with the 40 CFR 60 Appendix A Method 9.	Rule 335-3-4-.01



## No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
3. Compliance with the total reduced sulfur emission limit shall be determined in accordance with the continuous emissions monitor or 40 CFR Part 60 Method 16, 16A, or 16B.	Rule 335-3-10-.02 (28)
4. Compliance with the nitrogen oxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 7 or 7E.	Rule 335-3-16-.05
5. Compliance with the carbon monoxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 10.	Rule 335-3-16-.05
6. Compliance with the volatile organic compound emission limit shall be determined in accordance with the 40 CFR Part 60 Method 18, 25, 25A, or 25B.	Rule 335-3-16-.05
7. Compliance with the sulfur dioxide emissions limit shall be determined in accordance with 40 CFR Part 60 Method 6c.	Rule 335-3-16-.05
<b>Emission Monitoring</b>	
1. A particulate matter emission test shall be performed at least once per year.	Rule 335-3-16-.05
2. For particulate matter, total reduced sulfur, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compound periodic monitoring, if any three-hour block average mud feed rate is greater than 110 percent of its average value set by the required complying periodic test or a complying test approved by the Department, the feed rate is to be lowered until compliance is successfully demonstrated at the higher rate.	Rule 335-3-16-.05
3. A total reduced sulfur continuous emission monitor shall be installed, calibrated, maintained and operated in accordance with 40 CFR §60.284, except that monitoring spans may be approved by the Director.	Rule 335-3-10-.02 (28)
4. For sulfur dioxide periodic monitoring, if any three-hour block average wet scrubber recirculation flow rate or pH is less than 90 percent of its respective average value set by the required complying periodic test or a complying test approved by the Department, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours. A manual pH reading taken every three hours may be substituted if the continuous pH monitoring system fails.	Rule 335-3-16-.05
5. A sulfur dioxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
6. A nitrogen oxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
7. A carbon monoxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
8. A volatile organic compound emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05

## No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
<p>9. Pursuant to 40 CFR 63, Subpart MM, the facility shall monitor the scrubber liquid recirculation flow and scrubber bleed-off flow rate. The parametric monitoring system shall meet the requirements listed in §63.8(c). Scrubber bleed-off flow rate is an approved alternative to monitoring scrubber differential pressure. (Alternative monitoring request approved June 19, 2017)</p> <ul style="list-style-type: none"> <li>i. The opacity monitoring system specified in paragraph 63.864(d) is not required for combination ESP/wet scrubber control device systems.</li> <li>ii. This unit shall not have 6 or more 3-hour average parameter values within any 6-month reporting period that are outside the range of values established in accordance with §63.864 (j) and (k), with the exception of pressure drop during periods of startup or shutdown.</li> <li>iii. No more than one exceedance will be attributed in any given 24-hour period.</li> </ul>	Rule 335-3-11-.06 (38)
<p>10. The facility must maintain proper operation of the electrostatic precipitator's automatic voltage control (AVC) system.</p>	Rule 335-3-11-.06 (38)
<p>11. For compliance with 40 CFR Part 63, Subpart MM, a particulate matter performance test shall be performed, pursuant to §63.865, every 5 years.</p> <p>Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.</p>	Rule 335-3-11-.06 (38)
<p><b>Recordkeeping and Reporting Requirements</b></p>	
<p>1. A particulate matter emission test report shall be submitted to the Department at least once per year.</p>	Rule 335-3-16-.05
<p>2. Records of all three hour block average electrostatic precipitator total power values shall be made and maintained on file available for inspection for at least five years.</p>	Rule 335-3-16-.05
<p>3. Records of all three-hour block average lime mud flow rates shall be made and maintained on file available for inspection for at least five years.</p>	Rule 335-3-16-.05
<p>4. Records of all three-hour block average wet scrubber recirculation flow rates, scrubber bleed-off flow rates (Alt. Monitoring - June 19, 2017 ADEM Letter), and pH's that are used for periodic monitoring shall be made and maintained on file available for inspection for at least five years.</p>	Rule 335-3-16-.05

## No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
<p>5. A report of excess total reduced sulfur emissions, as defined below, will be submitted to the Department for each calendar quarter within the month following the end of the quarter. The reports will include the following information:</p> <ul style="list-style-type: none"> <li>a. The magnitude of excess emissions greater than 8 parts per million adjusted to 10 percent oxygen computed from twelve hour averages (data recorded during periods of total reduced sulfur emission monitoring system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages).</li> <li>b. The date and time of commencement and completion of each time period of excess emissions.</li> <li>c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted.</li> <li>d. The date and time identifying each period during which the total reduced sulfur emission monitoring system was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments.</li> <li>e. When no excess emissions have occurred and the total reduced sulfur emission monitoring system was not inoperative or did not require repairs or adjustments, such information will be stated in the report.</li> </ul>	<p>Rule 335-3-10-.02 (28) Rule 335-3-16-.05</p>
<p>6. The facility shall submit a report containing all of the required information found in 40 CFR 60.7(c) and 40 CFR 60.284(d)(2) by the 30<sup>th</sup> day following the end of each semiannual reporting period.</p>	<p>Rule 335-3-10-.02 (28)</p>
<p>7. A sulfur dioxide emission test report shall be submitted to the Department at least every five years.</p>	<p>Rule 335-3-16-.05</p>
<p>8. A nitrogen oxide emission test report shall be submitted to the Department at least every five years.</p>	<p>Rule 335-3-16-.05</p>
<p>9. A carbon monoxide emission test report shall be submitted to the Department at least every five years.</p>	<p>Rule 335-3-16-.05</p>
<p>10. A volatile organic compound emission test report shall be submitted to the Department at least every five years.</p>	<p>Rule 335-3-16-.05</p>
<p>11. A record of the number of hours per rolling 12-month period of backup non-condensable gas incinerator operation (when the unit is incinerating non-condensable gases) shall be maintained in a form suitable for inspection for at least 5 years.</p>	<p>Rule 335-3-16-.05</p>

## No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
<p>12. In accordance with 40 CFR Part 63, Subpart MM the facility must submit a semiannual Excess Emissions Report and/or Summary Report containing the information required in §63.867(c), including the number and duration of three hour averages below the minimum operating limit. If the Total duration of excess emissions or process control system parameter exceedances for the reporting period is less than 1 percent of the total reporting period operating time, and CMS downtime is less than 5 percent of the total reporting period operating time, only the Summary Report is required to be submitted. If the total duration of excess emissions or process control system parameter exceedances for the reporting period is 1 percent or greater of the total reporting period operating time, or the total CMS downtime for the reporting period is 5 percent or greater of the total reporting period operating time, or any violations according to §63.864(k)(2) occurred, information from both the Summary Report and Excess Emissions Report must be submitted.</p> <p>Excess Emissions and Summary Reports must be reported electronically via CEDRI per §63.867(d)(2) once the reporting form specific to 40 CFR Part 63, Subpart MM has been available in CEDRI for one year.</p> <p>Reports shall be submitted within 30 days following the end of the semiannual periods ending on June 30 and December 31.</p>	Rule 335-3-11-.06 (38)
<p>13. Records and supporting documentation shall be kept for the compliance determinations, operating ranges, and parameter ranges established for this unit.</p>	Rule 335-3-11-.06 (38)
<p>14. In accordance with 40 CFR Part 63.866 (b), the facility must maintain records of any occurrence when corrective action is required (when a 3-hour average flow rate or scrubber bleed-off rate is outside the established range of values), and when a violation is noted (when six or more 3-hour average flow rate value within any 6-month reporting period are outside the established range of values). For the purposes of determining the number of nonopacity monitoring exceedances, no more than one exceedance will be attributed in any given 24-hour period.</p>	Rule 335-3-11-.06 (38)
<p>15. In accordance with §63.866(c), the facility shall maintain the following records in addition to the general records required by §63.10(b)(2):</p> <ol style="list-style-type: none"> <li>a. Records of CaO production rates in units of Mg/d or ton/d.</li> <li>b. Maintain records of parametric monitoring data required under §63.864, including any period when the 3-hour average flow rate or scrubber bleed-off rate values were inconsistent with the levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred, the time corrective action was initiated and completed, and corrective action taken.</li> <li>c. Maintain records and documentation of supporting calculations for compliance determination made under §63.865(a) through (d).</li> <li>d. Records demonstrating compliance with the requirement to maintain proper operation of the ESP's AVC system.</li> </ol>	Rule 335-3-11-.06 (38)

## No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
<p>16. Within 60 days of completing each performance test required by 40 CFR 63 Subpart MM, the facility must submit the results of the performance test following the procedure specified in either paragraph (i) or (ii) below:</p> <ul style="list-style-type: none"> <li>i. For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website at the time of the test, the owner or operator must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT website. If the facility claims that some of the performance test information being submitted is confidential business information (CBI), the facility must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on EPA's ERT website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U. S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described above.</li> <li>ii. For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test, the owner or operator must submit results of the performance test to the Administrator at the appropriate address listed in 40 CFR 63.13 unless the Administrator agrees to or specifies and alternative reporting method.</li> </ul>	<p>Rule 335-3-11-.06 (38)</p>

## NCG Incinerator Informational Summary

**Description:** NCG Incinerator

**Emission Unit No:** 009

**Installation Date:** 2009

**Reconstruction / Modification date:**

**Operating Capacity:** 12.24 MMBtu/hr

**Operating Schedule:** 4380 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X034	NCG Incinerator	Particulate Matter	≤ 1.5 lb/hr	Rule 335-3-14-.04
X034	NCG Incinerator	Sulfur Dioxide	≤ 17.5 lb/hr	Rule 335-3-14-.04
X034	NCG Incinerator	Sulfur Dioxide	≤ 4380 hr/yr	Rule 335-3-14-.04
X034	NCG Incinerator	Opacity	≤ 20% with one 6-min period up to 40% in any one hour period.	Rule 335-3-4-.01
X034	NCG Incinerator	Sulfuric Acid Mist	≤ 0.9 lb/hr	Rule 335-3-14-.04
X034	NCG Incinerator	HAPs	Equipment systems shall be enclosed and vented into a closed-vent system and routed to a control device that reduces the total HAP concentration pursuant to 40 CFR 63.443 (d).	Rule 335-3-11-.06(18)

### Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
Natural Gas	NA	NA

## NCG Incinerator Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of ADEM Admin. Code 335-3-14-.04 prevention of significant deterioration synthetic minor limit for particulate matter, sulfur dioxide, and sulfuric acid mist.	Rule 335-3-14-.04
3. This source is subject to the requirements of ADEM Admin. Code 335-3-4-.01 for opacity.	Rule 335-3-4-.01
4. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and 40 CFR Part 63 Subpart S as referenced in ADEM Admin. Code 335-3-11-.06 (18).	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. Particulate Matter emissions shall not exceed 1.5 pounds per hour.	Rule 335-3-14-.04
2. Sulfur Dioxide emissions shall not exceed 17.5 pounds per hour.	Rule 335-3-14-.04
3. Sulfuric Acid Mist emissions shall not exceed 0.9 pounds per hour.	Rule 335-3-14-.04
4. The total amount of time for NCG gas combustion from this unit shall not exceed 4,380 hours per 12 month period. Using data from a continuous monitoring system, the facility will calculate hours of operation on an hours-per-month basis. These emission numbers shall be used to calculate a 12 month rolling total.	Rule 335-3-14-.04
5. This unit, while combusting NCG gases, shall operate at a minimum temperature of 871°C (1600°F) and a minimum residence time of 0.75 second, or demonstrate compliance with 40 CFR 63.443 (d)(1) or (d)(2) during a required periodic test.	Rule 335-3-11-.06 (18)
6. Opacity shall not exceed twenty percent, as determined by six minute averages, except during one six minute period in any sixty minute period, an opacity not greater than that designated as forty percent may be discharged to the atmosphere.	Rule 335-3-4-.01
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the particulate matter emission limit shall be determined by 40 CFR Part 60, Appendix A, Method 5 or 17.	Rule 335-3-16-.05
2. Compliance with the sulfur dioxide emission limit shall be determined in accordance with the 40 CFR Part 60 Appendix A, Method 6.	Rule 335-3-16-.05
3. Compliance with the sulfuric acid mist emission limit shall be determined in accordance with the 40 CFR Part 60 Appendix A, Method 8 or CTM-013B.	Rule 335-3-16-.05
4. Compliance with the opacity limit shall be determined by 40 CFR Chapter 1 Appendix A Reference, Method 9.	Rule 335-3-4-.01
5. Pursuant to §63.457(f), the owner or operator shall measure the total hazardous air pollutant concentration as one of the following: <ul style="list-style-type: none"> <li>(1) As the sum of all individual hazardous air pollutants; or</li> <li>(2) As methanol.</li> </ul>	Rule 335-3-11-.06 (18)
6. Compliance with the hazardous air pollutant emission limit shall be determined in accordance with the methods and procedures of §63.457.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. A Sulfur Dioxide emission test shall be performed at least once per year.	Rule 335-3-16-.05

## NCG Incinerator Provisos

Federally Enforceable Provisos	Regulations
2. A Particulate Matter emission test shall be performed at least every five years.	Rule 335-3-16-.05
3. A Sulfuric Acid Mist emission test shall be performed at least every five years.	Rule 335-3-16-.05
4. The temperature of the combustion chamber shall be continuously monitored while combusting NCG gases.	Rule 335-3-11-.06 (18)
5. For Particulate Matter and Sulfur Dioxide periodic monitoring, if any three-hour block average wet scrubber liquid supply flow rate is less than 90 percent of its three hour average value recorded at the time of a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05
6. For Particulate Matter and Sulfuric Acid Mists periodic monitoring, if any three-hour block average wet electrostatic precipitator total secondary voltage value is less than 90 percent of its average value recorded at the time of a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05
7. For Sulfur Dioxide and Sulfuric Acid Mists periodic monitoring, if any three-hour block average pH value is less than 90 percent of its average value recorded at the time of a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05
8. Since this unit is controlled by a wet scrubber, opacity periodic monitoring will be satisfied through particulate emission periodic monitoring.	Rule 335-3-16-.05
9. A hazardous air pollutant performance test shall be performed once every five years, within 60 months of the previous test.	Rule 335-3-11-.06 (18)
<b>Recordkeeping and Reporting Requirements</b>	
1. A Sulfur Dioxide emission test shall be submitted at least once per year.	Rule 335-3-16-.05
2. A Particulate Matter emission test shall be submitted at least every five years.	Rule 335-3-16-.05
3. A Sulfuric Acid Mist emission test shall be submitted at least every five years.	Rule 335-3-16-.05
4. The time that the NCG gases are combusted in this unit shall be recorded continuously.	Rule 335-3-16-.05
5. The temperature from this unit shall be recorded continuously while combusting NCG gases.	Rule 335-3-16-.05
6. Records of all three-hour block average wet electrostatic precipitator secondary voltage values shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-16-.05
7. Records of all three-hour block average wet scrubber flow rates that are used for periodic monitoring shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-16-.05
8. Records of all three-hour block average pH that are used for periodic monitoring shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-16-.05
9. Records of the 12-month rolling total hours of NCG combustion in this unit shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-16-.05



## NCG Incinerator Provisos

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
10. Records of this unit's temperature shall be made and maintained on file available for review for at least five years.	Rule 335-3-16-.05
11. Pursuant to §63.455(h), the facility must report the results of hazardous air pollutant performance tests within 60 days after the completion of the test.	Rule 335-3-11-.06 (18)

## C-Multiple Effect Evaporator Set Informational Summary

**Description:** C-Multiple Effect Evaporator Set

**Emission Unit No:** 010

**Installation Date:** 1992 **Reconstruction / Modification date:**

**Operating Capacity:** 283,340 lb/hr BLS

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 60 Subpart BB**  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
X028	C-Multiple Effect Evaporator Set	Total Reduced Sulfur	Incineration	Rule 335-3-10-.02 (28)
X028	C-Multiple Effect Evaporator Set	HAPs	Incineration	Rule 335-3-11-.06 (18)

## C-Multiple Effect Evaporator Set Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to Federal New Source Performance Standards Subpart BB and 40 CFR 60 Subpart A, General Provisions.	Rule 335-3-10-.02 (1) and (28)
3. This source is subject to Federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S (See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements).	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. All gases discharged that contain total reduced sulfur in excess of 5 parts per million shall be incinerated in either the No. 3 Lime Kiln or Standby Incinerator subjecting the gases to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds.	Rule 335-3-10-.02 (28)
2. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
2. For total reduced sulfur periodic monitoring at least once per day mill personnel shall determine if the gases are being incinerated as required and if gases are not being incinerated, investigate and take corrective action within twenty-four hours.	Rule 335-3-16-.05
<b>Recordkeeping and Reporting Requirements</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
2. Once per day records of whether or not total reduced sulfur gases are being incinerated shall be made and maintained on file available for inspection for a period of five years.	Rule 335-3-16-.05
3. The facility shall submit a report containing all of the required information found in 40 CFR 60.7(c) and 40 CFR 60.284(d)(3) by the 30 <sup>th</sup> day following the end of each semi-annual reporting period.	Rule 335-3-10-.02 (28)



## Nos. 1-6 Batch Digesters Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. Digesters 1-6 are subject to Federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S. (See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements)	Rule 335-3-11-.06 (1) and (28)
<b>Emission Standards</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed-Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed-Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Recordkeeping and Reporting Requirements</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)

## Nos. 1-6 Batch Digesters Provisos

<b>1 – 6 Batch Digesters (Hardwood) State Only Enforceable Provisos</b>	<b>Regulations</b>
<b>Applicability (State Only)</b>	
1. Digesters 1 through 6 are subject to the requirements of ADEM Admin. Code 335-3-5-.04 (5) total reduced sulfur from kraft pulp mill digesters.	Rule 335-3-5-.04 (5)
<b>Emission Standards (State Only)</b>	
1. For Digesters 1 through 6 all gases discharged that contain total reduced sulfur in excess of 5 parts per million, corrected to ten percent oxygen, shall be incinerated in either the No. 3 Lime Kiln or Standby Incinerator subjecting the gases to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds. If an owner or operator demonstrates to the satisfaction of the Director that emissions in excess of the levels otherwise authorized in this regulation occur as a result of properly performed startups, shutdowns or unavoidable malfunctions these emissions will not constitute a violation.	Rule 335-3-5-.04 (5)
<b>Compliance and Performance Test Methods and Procedures (State Only)</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	
<b>Emission Monitoring (State Only)</b>	
1. For total reduced sulfur periodic monitoring at least once per day mill personnel shall determine if the gases are being incinerated as required and if gases are not being incinerated, investigate and take corrective action within twenty-four hours.	Rule 335-3-16-.05
<b>Recordkeeping and Reporting Requirements</b>	
1. Once per day records of whether or not total reduced sulfur gases are being incinerated shall be made and maintained on file available for inspection for a period of five years.	Rule 335-3-16-.05

## Nos. 7-8 Batch Digesters Informational Summary

**Description:** No. 7-8 Batch Digesters

**Emission Unit No:** 012

**Installation Date:** 1997 **Reconstruction / Modification date:**

**Operating Capacity:** 187.5 tons per day of air dried pulp per digester

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 60 Subpart BB**  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
X021	Nos. 7-8 Batch Digesters	Total Reduced Sulfur	Incineration	Rule 335-3-10-.02 (28)
X021	Nos. 7-8 Batch Digesters	HAPs	Incineration	Rule 335-3-11-.06 (18)

## Nos. 7-8 Batch Digesters Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. Digesters 7-8 are subject to Federal New Source Performance Standards Subpart BB.	Rule 335-3-10-.02 (1) and (28)
3. Digesters 7-8 are subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S. (See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements)	Rule 335-3-11-.06 (1) & (18)
<b>Emission Standards</b>	
1. For Digesters 7 and 8 all gases discharged that contain total reduced sulfur in excess of 5 parts per million by volume on a dry basis, corrected to 10 percent oxygen, shall be incinerated in either the No. 3 Lime Kiln or Standby Incinerator subjecting the gases to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds.	Rule 335-3-10-.02 (28)
2. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed-Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed-Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates" and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
2. For total reduced sulfur periodic monitoring at least once per day mill personnel shall determine if the gases are being incinerated as required and if gases are not being incinerated, investigate and take corrective action within twenty-four hours.	Rule 335-3-16-.05
<b>Recordkeeping and Reporting Requirements</b>	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" for additional requirements.	Rule 335-3-11-.06 (18)
2. Once per day records of whether or not total reduced sulfur gases are being incinerated shall be made and maintained on file available for inspection for a period of five years.	Rule 335-3-16-.05
3. The facility shall submit a report containing all of the required information found in 40 CFR 60.7(c) and 40 CFR 60.284(d)(3) by the 30 <sup>th</sup> day following the end of each semi-annual reporting period.	Rule 335-3-10-.02 (28)





## Kamyr Digester Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. The Kamyr Digester System is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. The Kamyr Digester System is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S (See Provisos for “Pulping System Processes”, “Process Condensates” and “Enclosures and Closed Vent Systems” for additional requirements).	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. See Provisos for “Pulping System Processes”, “Process Condensates”, and “Enclosures and Closed Vent Systems” for additional requirements.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. See Provisos for “Pulping System Processes”, “Process Condensates”, and “Enclosures and Closed-Vent Systems” for details.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. See Provisos for “Pulping System Processes”, “Process Condensates”, and “Enclosures and Closed-Vent Systems” for details.	Rule 335-3-11-.06 (18)
<b>Recordkeeping and Reporting Requirements</b>	
1. See Provisos for “Pulping System Processes”, “Process Condensates”, and “Enclosures and Closed-Vent Systems” for details.	Rule 335-3-11-.06 (18)

## Kamyr Digester Provisos

<b>Kamyr Digester State Only Enforceable Provisos</b>	<b>Regulations</b>
<p><b>Applicability (State Only)</b></p> <p>1. The Kamyr Digester System is subject to the requirements of ADEM Admin. Code 335-3-5-.04 (5) total reduced sulfur.</p>	Rule 335-3-5-.04 (5)
<p><b>Emission Standards (State Only)</b></p> <p>1. For the Kamyr Digester System all gases discharged that contain total reduced sulfur in excess of 5 parts per million, corrected to ten percent oxygen, shall be incinerated in either the No. 3 Lime Kiln or Standby Incinerator subjecting the gases to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds. If an owner or operator demonstrates to the satisfaction of the Director that emissions in excess of the levels otherwise authorized in this regulation occur as a result of properly performed startups, shutdowns or unavoidable malfunctions these emissions will not constitute a violation.</p>	Rule 335-3-5-.04 (5)
<p><b>Compliance and Performance Test Methods and Procedures (State Only)</b></p> <p>1. This source is subject to no additional requirements other than those listed in the general provisos.</p>	
<p><b>Emission Monitoring (State Only)</b></p> <p>1. For total reduced sulfur periodic monitoring at least once per day mill personnel shall determine if the gases are being incinerated as required and if gases are not being incinerated, investigate and take corrective action within twenty-four hours.</p>	Rule 335-3-16-.05
<p><b>Recordkeeping and Reporting Requirements (State Only)</b></p> <p>1. Once per day records of whether or not total reduced sulfur gases are being incinerated shall be made and maintained on file available for inspection for a period of five years.</p>	Rule 335-3-16-.05

## Bleaching System Informational Summary

**Description:** Bleaching System

**Emission Unit No:** 014

**Installation Date:**

1991 (Hardwood Bleach Plant)  
1958 (Softwood Bleach Plant)  
1958 (Broke Bleach Plant)

**Reconstruction / Modification date:**

N/A  
1991 (Softwood Bleach Plant)  
1991 (Broke Bleach Plant)

**Operating Capacity:**

117,000 lb/hr ADBP (Hardwood Bleach Plant)  
61,400 lb/hr ADBP (Softwood Bleach Plant)  
33,340 lb/hr ADBP (Broke Bleach Plant)

**Operating Schedule:** 8760 hours/year.

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X022	Bleaching System	HAPs	Enclosed and vented to a closed-vent system (per 63.450) and routed to a control device.	Rule 335-3-11-.06 (18)
X022	Bleaching System	HAPs	Chlorinated HAPs shall be reduced pursuant to 40 CFR 63.445 (c).	Rule 335-3-11-.06 (18)
X022	Softwood and Broke Bleach Lines ( <b>State Only</b> )	Chlorine Dioxide	≤ 1.66 lb/hr	Rule 335-3-16-.05
X022	Softwood and Broke Bleach Lines ( <b>State Only</b> )	Chlorine	≤ 1.74 lb/hr	Rule 335-3-16-.05
X022	Hardwood Bleach Line ( <b>State Only</b> )	Chlorine Dioxide	≤ 0.41 lb/hr	Rule 335-3-16-.05
X022	Hardwood Bleach Line ( <b>State Only</b> )	Chlorine	≤ 1.52 lb/hr	Rule 335-3-16-.05

## Bleaching System Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the requirements of 40 CFR Part 63 General Provisions as provided for in Table 1 of Subpart S and Subpart S.	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. The equipment at each stage of the bleaching system where chlorinated compounds are introduced shall be enclosed and vented into a closed-vent system and routed to a control device which meets the requirements as specified in Proviso 3 of this section.	Rule 335-3-11-.06 (18)
2. The enclosures and closed-vent system shall meet the requirements specified in the "Enclosures and Closed-Vent Systems" Emission Standards Proviso 1(b)-(d).	Rule 335-3-11-.06 (18)
3. The control device used to reduce chlorinated HAP emissions (not including chloroform) from the equipment in this section shall: <ul style="list-style-type: none"> <li>(1) Reduce the total chlorinated HAP mass in the vent stream entering the control device by 99 percent or more by weight;</li> <li>(2) Achieve a treatment device outlet concentration of 10 parts per million or less by volume of total chlorinated HAP; or</li> <li>(3) Achieve a treatment device outlet mass emission rate of 0.001 kg of total chlorinated HAP mass per megagram (0.002 pounds per ton) of ODP.</li> </ul>	Rule 335-3-11-.06 (18)
4. To reduce chloroform emissions the permittee shall comply with the effluent limitation guidelines specified in 40 CFR 430 (63.445(d)(1)) or use no hypochlorite or chlorine for bleaching in the bleaching system.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. For the enclosures and closed-vent system see the Compliance and Performance Test Methods and Procedures provisos for "Enclosures and Closed-Vent Systems".	Rule 335-3-11-.06 (18)
2. Compliance with the total chlorinated HAP emission limit shall be determined in accordance with the test method described in 40 CFR §63.457.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. For the enclosures and closed-vent system see the Emission Monitoring provisos for "Enclosures and Closed-Vent Systems".	Rule 335-3-11-.06 (18)
2. A continuous monitoring system (CMS, as defined in 40 CFR 63 Subpart A General Provisions §63.2) shall be installed, calibrated, certified, operated, and maintained according to the manufacturer's specifications. The CMS shall include a continuous recorder.	Rule 335-3-11-.06 (18)
3. The CMS shall be operated to measure the following parameters for each gas scrubber used to comply with the bleaching system requirements of 40 CFR 63 Subpart S §63.445(c). <ul style="list-style-type: none"> <li>(a) The pH or the oxidation/reduction potential of the gas scrubber effluent;</li> <li>(b) The gas scrubber liquid influent flow rate; and</li> <li>(c) The bleach plant exhaust gas fan motor operational status (See March 22, 2002 EPA Region IV letter granting approval of alternative monitoring.)</li> </ul>	Rule 335-3-11-.06 (18)
4. The bleaching system scrubber shall be operated in accordance with the parameter value ranges established in accordance with 40 CFR 63.453(n).	Rule 335-3-11-.06 (18)
5. Pursuant to §63.453 (q), at all times, the owner or operator must operate and maintain	Rule 335-3-11-.06 (18)

## Bleaching System Provisos

Federally Enforceable Provisos	Regulations
<p>any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.</p> <p>6. A chlorinated HAP performance test shall be performed within 60 months from the date of the previous performance test.</p>	<p>Rule 335-3-11-.06 (18)</p>
<p><b>Recordkeeping and Reporting Requirements</b></p>	
<p>1. See the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos.</p>	<p>Rule 335-3-11-.06 (18)</p>
<p>2. The owner or operator of this source shall comply with the recordkeeping and reporting requirements of 40 CFR Part 63 §63.10, as shown in Table 1 Subpart S.</p>	<p>Rule 335-3-11-.06 (18)</p>
<p>3. A chlorinated HAP performance test report shall be submitted to the Department at least once every 60 months.</p>	<p>Rule 335-3-11-.06 (18)</p>

## Bleaching System Provisos

Bleaching System State Only Provisos	Regulations
<b>Applicability (State Only)</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<b>Emission Standards (State Only)</b>	
1. Softwood and Broke Bleach Lines' chlorine dioxide emissions shall not exceed 1.66 pounds per hour.	Rule 335-3-16-.05
2. Softwood and Broke Bleach Lines' chlorine emissions shall not exceed 1.74 pounds per hour.	Rule 335-3-16-.05
3. Hardwood Bleach Line chlorine dioxide emissions shall not exceed 0.41 pounds per hour.	Rule 335-3-16-.05
4. Hardwood Bleach Line chlorine emissions shall not exceed 1.52 pounds per hour.	Rule 335-3-16-.05
<b>Compliance and Performance Test Methods and Procedures (State Only)</b>	
1. Chlorine dioxide and chlorine emissions shall be measured in accordance with the impinger capture technique described in the National Council of the Paper Industry for Air and Stream Improvement, Inc. Technical Bulletin No. 520, April, 1987.	Rule 335-3-16-.05
<b>Emission Monitoring (State Only)</b>	
1. A chlorine dioxide and chlorine emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters for the Softwood and Broke Bleach Lines' scrubber and the Hardwood Bleach Line scrubber.	Rule 335-3-16-.05
<b>Recordkeeping and Reporting Requirements (State Only)</b>	
1. The chlorine dioxide and chlorine emission test reports shall be submitted to the Department at least once every five years.	Rule 335-3-16-.05





## 65 Ton Per Day Chlorine Dioxide Generator Provisos

State Enforceable Provisos	Regulations
<b>Applicability (State Only)</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
<b>Emission Standards(State Only)</b>	
1. Chlorine emissions shall not exceed 0.68 pounds per hour.	Rule 335-3-16-.05
2. Chlorine dioxide emissions shall not exceed 0.22 pounds per hour.	Rule 335-3-16-.05
<b>Compliance and Performance Test Methods and Procedures(State Only)</b>	
1. Chlorine and chlorine dioxide emissions shall be measured in accordance with the impinger capture technique described in the National Council of the Paper Industry for Air and Stream Improvement, Inc. Technical Bulletin No. 520, April, 1987.	Rule 335-3-16-.05
<b>Emission Monitoring (State Only)</b>	
1. A chlorine emission test shall be performed within once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
2. A chlorine dioxide emission test shall be performed once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
3. When using DEC or equivalent commercial product as a scrubbing liquid, for chlorine and chlorine dioxide periodic monitoring, at least once daily record an indication that the recirculation pump is operating. If any three-hour block average wet scrubber recirculation ORP is greater than 110 percent of its average value or if any three-hour block average wet scrubber recirculation flow rate is less than 90 percent of its average value set by a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05 (3)
4. When using white liquor as a scrubbing fluid, at least once daily record scrubber liquid pH and indicate that the recirculation pump is operating. If the pH is greater than 110% or less than 90% of the average value set by a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours. If the scrubber liquid pH is not available, at least once daily record the white liquor flow. If the white liquor flow is below the average value set by a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05 (3)
<b>Recordkeeping and Reporting Requirements</b>	
1. Maintain records of recirculation pump operation (daily), and if using DEC or equivalent product, maintain records of all three-hour block average scrubber recirculation flow rate and ORP; or if using white liquor, maintain records of daily scrubber liquid pH, and when pH values are not available, records of daily white liquor flow rate, available for inspection for at least 5 years.	Rule 335-3-16-.05
2. A chlorine and chlorine dioxide emission test report shall be submitted to the Department at least once every five years.	Rule 335-3-16-.05

## Chemi-Washer Informational Summary

**Description:** Chemi-Washer

**Emission Unit No:** 016

**Installation Date:** 1958 - 1997

**Reconstruction / Modification date:**

**Operating Capacity:** 125,000 ADUP

**Operating Schedule:** 8760 hours/year.

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

**40 CFR Part 60 Subpart BB**

**40 CFR Part 63 Subpart S**

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
X031	Chemi-Washer	Total Reduced Sulfur	≤ 5 ppmv on a dry basis, uncorrected for oxygen content	Rule 335-3-10-.02 (28)
X031	Chemi-Washer	HAPs	Incineration or Clean Condensate Alternative	Rule 335-3-11-.06 (18)
X031	Chemi-Washer	Chlorine	≤ 6.8 lb/hr	Rule 335-3-16-.05
X031	Chemi-Washer	Chlorine Dioxide	≤ 1.2 lb/hr	Rule 335-3-16-.05
X031	Chemi-Washer	Particulate Matter	≤ 0.028 gr/DSCF air and 1.7 lb/hr	Rule 335-3-16-.05
X031	Chemi-Washer	Opacity	≤ 20% with one 6-min period up to 40% in any one hour period.	Rule 335-3-4-.01

## Chemi-Washer Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of Rule 335-3-10-.02 (1) and (28) New Source Performance Standards Subpart BB for kraft pulp mills.	Rule 335-3-10-.02 (1) and (28)
3. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and 40 CFR Part 63 Subpart S as referenced in ADEM Admin. Code 335-3-11-.06 (18).	Rule 335-3-11-.06 (1) and (18)
4. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-4-.01 for opacity.	Rule 335-3-4-.01
<b>Emission Standards</b>	
1. Pursuant to 40 CFR 60.283(a)(1)(v), the chemi-washer system shall not discharge any gases to the atmosphere which contain TRS in excess of 5 ppm by volume on a dry basis, uncorrected for oxygen content.	Rule 335-3-10-.02 (28)
2. Per the requirements of 40 CFR Part 63 Subpart S, hazardous air pollutant emissions shall be controlled as applied for in the Clean Condensate Alternative and shall be implemented by April 17, 2006.	Rule 335-3-11-.06 (18)
3. Chlorine emissions shall not exceed 6.8 pounds per hour.	Rule 335-3-16-.05
4. Chlorine dioxide emissions shall not exceed 1.2 pounds per hour.	Rule 335-3-16-.05
5. Particulate matter emissions shall not exceed the more stringent of 0.028 grains per standard dry cubic foot of air and 1.7 pounds per hour.	Rule 335-3-16-.05
6. Opacity shall not exceed twenty percent as determined by six-minute average. During one six-minute period in any sixty-minute period, a person may discharge into the atmosphere from any source of emission, particulate of an opacity not greater than that designated as forty percent.	Rule 335-3-4-.01
<b>Compliance and Performance Test Methods and Procedures</b>	
1. Compliance with the total reduced sulfur emission limit shall be determined in accordance with the 40 CFR Part 60, Method 16, 16A, or 16B or the continuous emission monitor.	Rule 335-3-16-.05
2. Chlorine and chlorine dioxide emissions shall be measured in accordance with the impinger capture technique described in the national Council of the Paper Industry for Air and Stream Improvement, Inc. Technical Bulletin No. 520, April, 1987.	Rule 335-3-16-.05
3. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60, Method 5 or 17.	Rule 335-3-16-.05
4. Compliance with the opacity limit shall be determined in accordance with the 40 CFR Part 60, Method 9.	Rule 335-3-4-.01

## Chemi-Washer Provisos

Federally Enforceable Provisos	Regulations
<b>Emission Monitoring</b>	
1. A continuous emission monitoring system for the measurement of total reduced sulfur shall be installed, operated and maintained pursuant to 40 CFR 60.284. Any exceedance of the total reduced sulfur limit shall be an indication of poor scrubber performance and subsequently potential exceedances of chlorine, chlorine dioxide, and particulate matter emissions.	Rule 335-3-10-.02 (28) Rule 335-3-16-.05
2. For chlorine, chlorine dioxide, and particulate matter emissions periodic monitoring, for any exceedance of the total reduced sulfur limit the wet scrubber shall be inspected and corrective action shall be taken within 24 hours.	Rule 335-3-16-.05
3. Per the requirements of 40 CFR Part 63 Subpart S, the provisos for “Enclosures and Closed Vent Systems” shall be followed.	Rule 335-3-11-.06 (18)
4. A chlorine emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
5. A chlorine dioxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
6. A particulate matter emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-16-.05
<b>Recordkeeping and Reporting Requirements</b>	
1. A report of excess total reduced sulfur emissions, as defined below, will be submitted to the Department for each calendar quarter within the month following the end of the quarter. The reports will include the following information: <ol style="list-style-type: none"> <li>a. The magnitude of excess emissions greater than 5 parts per million uncorrected for oxygen content computed from twelve hour block averages (data recorded during periods of total reduced sulfur emission monitoring system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages).</li> <li>b. The date and time of commencement and completion of each time period of excess emissions.</li> <li>c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted.</li> <li>d. The date and time identifying each period during which the total reduced sulfur emission monitoring system was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments.</li> <li>e. When no excess emissions have occurred and the total reduced sulfur emission monitoring system was not inoperative or did not require repairs or adjustments, such information will be stated in the report.</li> </ol>	Rule 335-3-16-.05
2. The facility shall submit a report containing all of the required information found in 40 CFR 60.7(c) and 40 CFR 60.284(d)(3) by the 30 <sup>th</sup> day following the end of each semi-annual reporting period.	Rule 335-3-10-.02 (28)
3. Per the requirements of 40 CFR Part 63 Subpart S, the provisos for “Enclosures and Closed Vent Systems” shall be followed.	Rule 335-3-11-.06 (18)
4. A chlorine, chlorine dioxide and particulate matter emission test report shall be submitted to the Department at least once every five years.	Rule 335-3-16-.05

## Pulping System Processes Informational Summary

**Description:** Pulping System Processes

**Emission Unit No:** 017

**Installation Date:**

**Reconstruction / Modification date:**

**Operating Capacity:**

**Operating Schedule:** 8760 hours/year.

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
S443	Pulping System Processes LVHC	HAPs	Equipment systems shall be enclosed and vented into a closed-vent system and routed to a control device.	Rule 335-3-11-.06 (18)
S443	Pulping System Processes	HAPs	The enclosures and closed-vent system shall meet the requirements specified in the "Enclosures and Closed-Vent Systems" Emission Standards Proviso 1(b)-(d).	Rule 335-3-11-.06 (18)
S443	Pulping System Processes HVLC	HAPs	As an alternative to meeting the Subpart S HVLC requirements, the Mill also has the option to pursue compliance using the Clean Condensate Alternative per 40 CFR Part §63.447.	Rule 335-3-11-.06 (18)

## Pulping System Processes Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and 40 CFR Part 63 Subpart S as referenced in ADEM Admin. Code 335-3-11-.06 (18).	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. For the pulping system processes, per the requirements of 40 CFR Part 63 Subpart S, Low Volume High Concentration Gases (LVHC) shall be controlled by incineration in either the No. 3 Lime kiln or the Standby Incinerator.	Rule 335-3-11-.06 (18)
2. Per the requirements of 40 CFR Part 63 Subpart S, Chemi-washer emissions shall be incinerated or the Clean Condensate Alternative shall be implemented by April 17, 2006.	Rule 335-3-11-.06 (18)
3. Periods of excess emissions reported under 40 CFR 63.455 shall not be a violation of 40 CFR 63.443 (c) and (d) provided that the time of excess emissions divided by the total process operating time in a semi-annual reporting period does not exceed the following levels:	Rule 335-3-11-.06 (18)
(1) One percent for control devices used to reduce the total HAP emissions from the LVHC system; and	
(2) Four percent for control devices used to reduce the total HAP emissions from the HVLC system; and	
(3) Four percent for control devices used to reduce the total HAP emissions from both the LVHC and HVLC systems.	
4. As an alternative to the requirements of 40 CFR Part §63.443(a)(1)(ii) through (a)(1)(v) for the control of HAP emissions from pulping systems using the kraft process, an owner or operator must demonstrate to the satisfaction of the Administrator, by meeting all the requirements of 40 CFR Part §63.447, that the total HAP emissions reductions achieved by a clean condensate alternative technology are equal to or greater than the total HAP emission reductions that would have been achieved by compliance with 40 CFR §63.443(a)(1)(ii) through (a)(1)(v).	
5. Equipment systems listed in provisos 1 and 2 of this section shall be enclosed and vented into a closed-vent system and routed to a control device that meets the requirements specified in the following proviso. The enclosures and closed-vent system shall meet the requirements specified in the "Enclosures and Closed-Vent Systems Emission Standards" Proviso 1(b)-(d).	Rule 335-3-11-.06 (18) 40 CFR Part 63 Section 63.443
6. The control device used to reduce total HAP emissions from each equipment system listed in provisos 1 and 2 of this section shall either or both:	Rule 335-3-11-.06 (18) 40 CFR Part 63 Section 63.443
(1) Reduce total HAP concentration at the outlet of the thermal oxidizer to 20 parts per million or less by volume, corrected to 10 percent oxygen on a dry basis; or	
(2) Reduce total HAP emissions using a lime kiln by introducing the HAP emission stream with the primary fuel or into the flame zone.	

## Pulping System Processes Provisos

Federally Enforceable Provisos	Regulations
<b>Compliance and Performance Test Methods and Procedures</b>	
1. See Compliance and Performance Test Methods and Procedures provisos for “Enclosures and Closed-Vent Systems” for details.	Rule 335-3-11-.06 (18) 40 CFR Part 63 Section 63.457
<b>Emission Monitoring</b>	
1. For the closed-vent system see the Emission Monitoring provisos for “Enclosures and Closed-Vent Systems”.	Rule 335-3-11-.06 (18)
<b>Recordkeeping and Reporting Requirements</b>	
1. For the HVLC sources, per the requirements of 40 CFR Part 63 Subpart S, the permittee shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos.	Rule 335-3-11-.06 (18)
2. For the pulping system processes and each applicable enclosure opening, closed-vent system, and closed collection system, per the requirements of 40 CFR 63.443, the permittee shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos.	Rule 335-3-11-.06 (18)

## Process Condensates Informational Summary

**Description:** Process Condensates

**Emission Unit No:** 018

**Installation Date:** **Reconstruction / Modification date:**

**Operating Capacity:**

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
S446	Process Condensates, (1) Each digester system; (2) Each turpentine recovery system; (3) Each evaporator system condensate from: i. The vapors from each stage where weak liquor is introduced (feed stages); and ii. Each evaporator vacuum system for each stage where weak liquor is introduced (feed stages); (4) Each HVLC collection system; and (5) Each LVHC collection system.	HAPs	Collect the pulping process condensates from equipment systems in this section that in total contain a total HAP mass of 5.5 kilograms or more of total HAP per megagram (11.1 pounds per ton) of ODP for mills that perform bleaching.	Rule 335-3-11-.06 (18)
S446	Process Condensates	HAPs	Treat the pulping process condensates to remove 5.1 kilograms or more of total HAP per megagram (10.2 pounds per ton) of ODP.	Rule 335-3-11-.06 (18)
S446	Process Condensates	HAPs	The pulping process condensates from the equipment systems in this section shall be conveyed in a closed collection system that is designed and operated to meet the requirements specified in 40 CFR 63.446(d).	Rule 335-3-11-.06 (18)
S446	Process Condensates	HAPs	The enclosures and closed-vent system shall meet the requirements specified in 40 CFR 63.450.	Rule 335-3-11-.06 (18)



## Process Condensates Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. This source is subject to Federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and Subpart S.	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. For Process Condensates, per the requirements of 40 CFR Part 63 Subpart S, pulping process condensates shall be collected and treated.	Rule 335-3-11-.06 (18)
2. Collect the combined pulping process condensates that in total contain a total HAP mass of 5.5 kilograms or more of total HAP per megagram (11.1 pounds per ton) of ODP.	Rule 335-3-11-.06 (18)
3. The pulping process condensates from the equipment systems in this section shall be conveyed in a closed collection system that is designed and operated to meet the requirements specified in bullets (a) and (b) of this section. <ul style="list-style-type: none"> <li>(a) Each closed collection system shall meet the individual drain system requirements specified in 40 CFR 63.960, 63.961, and 63.962 of subpart RR of this part, except for closed vent systems and control devices shall be designed and operated in accordance with 40 CFR 63.443(d) and 63.450, instead of in accordance with 40 CFR 63.693 as specified in 40 CFR 63.962(a)(3)(ii), (b)(3)(ii)(A), and (b)(3)(ii)(B)(5)(iii); and</li> <li>(b) If a condensate tank is used in the closed collection system, the tank shall meet the following requirements: (i) The fixed roof and all openings (e.g., access hatches, sampling ports, gauge wells) shall be designed and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million above background, and vented into a closed-vent system that meets the requirements in 63.450 and routed to a control device that meets the requirements in 63.443(d); and (ii). Each opening shall be maintained in a closed, sealed position (e.g., covered by a lid that is gasketed and latched) at all times that the tank contains pulping process condensates or any HAP removed from a pulping process condensate stream except when it is necessary to use the opening for sampling, removal, or for equipment inspection, maintenance, or repair.</li> </ul>	Rule 335-3-11-.06 (18)
4. Each HAP removed from a pulping process condensate stream during treatment and handling under this section shall be discharged below the liquid surface of a biological treatment system and treated to meet the requirements specified in paragraph (e)(3), (4), or (5) of 40 CFR 63.446 and total HAP shall be measured as specified in 40 CFR 63.457(g).	Rule 335-3-11-.06 (18)
5. At mills that perform bleaching, treat the pulping process condensates to remove 5.1 kilograms or more of total HAP per megagram (10.2 pounds per ton) of ODP, or achieve a total HAP concentration of 330 parts per million or less by weight at the outlet of the control device.	Rule 335-3-11-.06 (18)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. An initial performance test is required by one of the procedures to determine total HAP or methanol in liquid samples described in 40 CFR 63.457.	Rule 335-3-11-.06 (18) 40 CFR Part 63 Section 63.457
2. For the closed-vent system see the Compliance and Performance Test Methods and Procedures provisos for “Enclosures and Closed-Vent Systems”.	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
1. A continuous monitoring system (CMS, as defined in 40 CFR Part 63 Subpart A General Provisions §63.2) shall be installed, calibrated, certified, operated, and maintained according to the manufacturer’s specifications. The CMS shall include a continuous recorder.	Rule 335-3-11-.06 (18)
2. A CMS shall be operated to measure the appropriate parameters determined according to the procedures specified in proviso 4 of this section to comply with the condensate applicability	Rule 335-3-11-.06 (18)

## Process Condensates Provisos

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requirements specified in 40 CFR 63.446(c).

3. Each owner or operator using an open biological treatment system to comply with 40 CFR 63.446(e)(2) shall perform the daily monitoring procedures specified in either paragraph (1) or (2) of this section and shall conduct a performance test each quarter using the procedures specified in paragraph (3) of this section.

Rule 335-3-11-.06 (18)

- (1) Comply with the monitoring and sampling requirements specified in paragraphs 3(1)(i) and (ii) of this section.

- i. On a daily basis, monitor the following parameters for each open biological treatment unit:

- A. Composite daily sample of outlet soluble BOD5 concentration to monitor for maximum daily and maximum monthly average;
- B. Mixed liquor volatile suspended solids;
- C. Horsepower of aerator unit(s);
- D. Inlet liquid flow; and
- E. Liquid temperature.

- ii. If the Inlet and Outlet Concentration measurement Procedure (Procedure 3) in appendix C of 40 CFR Part 63 is used to determine the fraction of HAP compounds degraded in the biological treatment system as specified in 40 CFR 63.457(1), conduct the sampling and archival requirements specified in paragraphs 3(1)(ii)(A) and (B) of this section.

- A. Obtain daily inlet and outlet liquid grab samples from each biological treatment unit to have HAP data available to perform quarterly performance tests specified in paragraph 3(3) of this section and the compliance tests specified in proviso 6 of this section.

- B. Store the samples as specified in 40 CFR 63.457(n) until after the results of the soluble BOD5 test required in paragraph 3(1)(i)(A) of this section are obtained. The storage requirement is needed since the soluble BOD5 test requires 5 days or more to obtain results. If the results of the soluble BOD5 test are outside of the range established during the initial performance test, then the archive sample shall be used to perform the mass removal or percent reduction determinations.

- (2) As an alternative to the monitoring requirements of paragraph 3(1) of this section, conduct daily monitoring of the site-specific parameters established according to the procedures specified in proviso 4 of this section.

- (3) Conduct a performance test as specified in 40 CFR 63.457(1) within 45 days after the beginning of each quarter and meet the applicable emission limit in 40 CFR 63.446(e)(2).

- i. The performance test conducted in the first quarter (annually) shall be performed for total HAP as specified in 40 CFR 63.457(g) and meet the percent reduction or mass removal emission limit specified in 40 CFR 63.446(e)(2).

- ii. The remaining quarterly performance tests shall be performed as specified in §63.453(j)(3)(i) except owners or operators may use the applicable methanol procedure in §63.457(l)(1) or (2) and the value of r determined during the first quarter test instead of measuring the additional HAP to determine a new value of r.

4. To establish or reestablish, the value for each operating parameter required to be monitored by this section or to establish appropriate parameters for proviso 3 paragraph (2) of this section, each owner or operator shall use the following procedures:

Rule 335-3-11-.06 (18)

- (a) During the initial performance test required in 40 CFR 63.457(a) or any subsequent performance test, continuously record the operating parameter;

- (b) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;

- (c) The owner or operator shall provide for the Administrator's approval the rationale for selecting the monitoring parameters necessary to comply with proviso 2 of this section; and

## Process Condensates Provisos

Federally Enforceable Provisos	Regulations
<p>(d) Provide for the Administrator's approval the rational for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard.</p> <p>5. Each owner or operator of a control device subject to the monitoring provisions of this section shall operate the control device in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under provisos 1 through 4 of this section and established under this subpart. Except as provided in proviso 6 of this section, 40 CFR 63.443(e), or 63.446(g), operation of the control device below minimum operating parameter values or above maximum operating parameter values established under this subpart or failure to perform procedures required by this subpart shall constitute a violation of the applicable emission standard of this subpart and be reported as a period of excess emissions.</p> <p>6. The procedures of this proviso apply to each owner or operator of an open biological treatment system complying with proviso 3 of this section whenever a monitoring parameter excursion occurs, and the owner or operator chooses to conduct a performance test to demonstrate compliance with the applicable emission limit. A monitoring parameter excursion occurs whenever the monitoring parameters specified in proviso 3 paragraph (1)(i)(A) through (C) of this section or any of the monitoring parameters specified in proviso 3 paragraph 2 of this section are below minimum operating parameter values or above maximum operating parameter values established in proviso 4 of this section.</p> <p>(1) As soon as practical after the beginning of the monitoring parameter excursion, the following requirements shall be met:</p> <ul style="list-style-type: none"> <li>(i) Before the steps in paragraph 6(1)(ii) or (iii) of this section are performed, all sampling and measurements necessary to meet the requirements in paragraph 6(2) of this section shall be conducted.</li> <li>(ii) Steps shall be taken to repair or adjust the operation of the process to end the parameter excursion period.</li> <li>(iii) Steps shall be taken to minimize total HAP emissions to the atmosphere during the parameter excursion period.</li> </ul> <p>(2) A parameter excursion is not a violation of the applicable emission standard if the results of the performance test conducted using the procedures in this paragraph demonstrate compliance with the applicable emission limit in 40 CFR 63.446(e)(2).</p> <ul style="list-style-type: none"> <li>(i) Conduct a performance test as specified in 40 CFR 63.457 using the monitoring data specified in proviso 3 paragraph (1) or (2) of this section that coincides with the time of the parameter excursion. No maintenance or changes shall be made to the open biological treatment system after the beginning of a parameter excursion that would influence the results of the performance test.</li> <li>(ii) If the results of the performance test specified in paragraph 6(2)(i) of this section demonstrate compliance with the applicable emission limit in 40 CFR 63.446(e)(2), then the parameter excursion is not a violation of the applicable emission limit.</li> <li>(iii) If the results of the performance test specified in paragraph 6(2)(i) of this section do not demonstrate compliance with the applicable emission limit in 40 CFR Part 63.446(e)(2) because the total HAP mass entering the open biological treatment system is below the level needed to demonstrate compliance with the applicable emission limit in 40 CFR 63.446(e)(2), then the owner or operator shall perform the following comparisons: <ul style="list-style-type: none"> <li>(A) If the value of fbio (MeOH) determined during the performance test specified in paragraph 6(2)(i) of this section is within the range of values established during the initial and subsequent performance tests approved by the Administrator, then the parameter excursion is not a violation of the applicable standard.</li> <li>(B) If the value of fbio (MeOH) determined during the performance test specified in paragraph 6(2)(i) of this section is not within the range of values established</li> </ul> </li> </ul>	<p>Rule 335-3-11-.06 (18)</p> <p>Rule 335-3-11-.06 (18)</p>

## Process Condensates Provisos

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during the initial and subsequent performance tests approved by the Administrator, then the parameter excursion is a violation of the applicable standard.

(iv) The results of the performance test specified in paragraph 6(2)(i) of this section shall be recorded as specified in 40 CFR 63.454(f).

(3) If an owner or operator determines that performing the required procedures under paragraph 6(2) of this section for a nonthoroughly mixed open biological system would expose a worker to dangerous, hazardous, or otherwise unsafe conditions, all of the following procedures shall be performed:

(i) Calculate the mass removal or percent reduction value using the procedures specified in 40 CFR 63.457(l) except the value for fbio (MeOH) shall be determined using the procedures in appendix E to this part.

(ii) Repeat the procedures in paragraph 6(3)(i) of this section for every day until the unsafe conditions have passed.

(iii) A parameter excursion is a violation of the standard if the percent reduction or mass removal determined in paragraph 6(3)(i) of this section is less than the percent reduction or mass removal standards specified in 40 CFR 63.446(e)(2), as appropriate, unless the value of fbio (MeOH) determined using the procedures in appendix E of this section, as specified in paragraph 6(3)(i), is within the range of fbio (MeOH) values established during the initial and subsequent performance tests previously approved by the Administrator.

(iv) The determination that there is a condition that exposes a worker to dangerous, hazardous, or otherwise unsafe conditions shall be documented according to requirements in 40 CFR 63.455(e) and reporting in 40 CFR 63.455(f).

(v) The requirements of paragraphs 6(1) and (2) of this section shall be performed and met as soon as practical but no later than 24 hours after the conditions have passed that exposed a worker to dangerous, hazardous, or otherwise unsafe conditions.

### Recordkeeping and Reporting Requirements

- |  |                        |
|--|------------------------|
| 1. For the pulping process condensates from the equipment systems of this section per the requirements of 40 CFR 63.446 the permittee shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos.  | Rule 335-3-11-.06 (18) |
| 2. For each applicable enclosure opening, closed-vent system, and closed collection system, the owner or operator shall meet the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” provisos”.   | Rule 335-3-11-.06 (18) |
| 3. The owner or operator shall record and report the CMS parameters specified in 40 CFR 63.453 and meet the requirements specified in the Recordkeeping and Reporting Requirements section of the “Enclosures and Closed-Vent Systems” Proviso 1 for any new affected process equipment or pulping process condensate stream that becomes subject to the standards in this subpart due to a process change or modification.  | Rule 335-3-11-.06 (18) |
| 4. The owner or operator of an open nonthoroughly mixed biological treatment system complying with 40 CFR 63.453(p)(3) instead of 40 CFR 63.453(p)(2) shall prepare a written record identifying the specific conditions that would expose a worker to dangerous, hazardous, or otherwise unsafe conditions. The record must include a written explanation of the specific reason(s) why a worker would not be able to perform the sampling and test procedures specified in 40 CFR 63.457(1). | Rule 335-3-11-.06 (18) |
| 5. The owner or operator of an open biological treatment system complying with 40 CFR 63.453(p) shall prepare a written record specifying the results of the performance test specified in 40 CFR 63.453(p)(2).  | Rule 335-3-11-.06 (18) |
| 6. If the owner or operator uses the results of the performance test required in 40 CFR 63.453(p)(2) to revise the approved values or ranges of the monitoring parameters specified in 40 CFR 63.453(j)(1) or (2), the owner or operator shall submit an initial notification of the subsequent performance test to the Administrator as soon as practicable, but no later than 15 days, before the  | Rule 335-3-11-.06 (18) |

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performance test required in 40 CFR 63.453(p)(2) is scheduled to be conducted. The owner or operator shall notify the Administrator as soon as practicable, but no later than 24 hours, before the performance test is scheduled to be conducted to confirm the exact date and time of the performance test.

7. To comply with the open biological treatment system monitoring provisions of 40 CFR 63.453(p)(3), the owner or operator shall notify the Administrator as soon as practicable of the onset of the dangerous, hazardous, or otherwise unsafe conditions that did not allow a compliance determination to be conducted using the sampling and test procedures in 40 CFR 63.457(1). The notification shall occur no later than 24 hours after the onset of the dangerous, hazardous, or otherwise unsafe conditions and shall include the specific reason(s) that the sampling and test procedures in 40 CFR 63.457(1) could not be performed.

Rule 335-3-11-.06 (18)

## Enclosures and Closed-Vent Systems Informational Summary

**Description:** Enclosures and Closed-Vent Systems

**Emission Unit No:** 019

**Installation Date:** **Reconstruction / Modification date:**

**Operating Capacity:**

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:  
**40 CFR Part 63 Subpart S**

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
S450	Enclosures and Closed-Vent Systems (1) Pulping System and (2) Bleaching System	HAPs	Each component of the closed-vent system used to comply with Secs. 63.443(c), 63.444(b), and 63.445(b) for capturing and transporting vent streams that contain HAP shall meet the requirements specified in 63.450(b)-(d).	Rule 335-3-11-.06 (18)

## Enclosures and Closed-Vent Systems Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. This source is subject to federal National Emission Standards for Hazardous Pollutants General Provisions as provided for in Table 1 of Subpart S and 40 CFR Part 63 Subpart S as referenced in ADEM Admin. Code 335-3-11-.06 (18).	Rule 335-3-11-.06 (1) and (18)
<b>Emission Standards</b>	
1. (a) For pulping system and pulp bleaching system per the requirements of 40 CFR Part 63 Subpart S each enclosure and closed vent system shall meet the requirements specified in bullets 1. (b) through (d) of this section.	Rule 335-3-11-.06 (18)
(b) Each enclosure shall maintain negative pressure at each enclosure or hood opening as demonstrated by the procedures specified in 40 CFR 63.457(e). Each enclosure or hood opening closed during the initial performance test specified in 40 CFR 63.457(a) shall be maintained in the same closed and sealed position as during the performance test at all times except when necessary to use the opening for sampling, inspection, maintenance, or repairs.	Rule 335-3-11-.06 (18)
(c) Each component of the closed-vent system used to comply with 40 CFR §§ 63.443(c), 63.444(b), and 63.445(b) that is operated at positive pressure and located prior to a control device shall be designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million by volume above background, as measured by the procedures specified in 40 CFR 63.457(d).	Rule 335-3-11-.06 (18)
(d) Each bypass line in the closed-vent system that could divert vent streams containing HAP to the atmosphere without meeting the emission limitations in 40 CFR 63.443, 63.444, or 63.445 shall comply with either of the following requirements:	Rule 335-3-11-.06 (18)
1) On each bypass line, the owner or operator shall install, calibrate, maintain, and operate according to manufacturer’s specifications a flow indicator that provides a record of the presence of gas stream flow in the bypass line at least once every 15 minutes. The flow indicator shall be installed in the bypass line in such a way as to indicate flow in the bypass line; or	
2) For bypass line valves that are not computer controlled, the owner or operator shall maintain the bypass line valve in the closed position with a car seal or a seal placed on the valve or closure mechanism in such a way that valve or closure mechanism cannot be opened without breaking the seal.	

## Enclosures and Closed-Vent Systems Provisos

Federally Enforceable Provisos	Regulations
<b>Compliance and Performance Test Methods and Procedures</b>	
<p>1. <i>Detectable leak procedures.</i> To measure detectable leaks for closed-vent systems as specified in 40 CFR 63.450 or for pulping process wastewater collection systems as specified in 40 CFR Part 63.446(d)(2)(i), the owner or operator shall comply with the following:</p> <ul style="list-style-type: none"> <li>(1) Method 21, of 40 CFR Part 60, appendix A; and</li> <li>(2) The instrument specified in Method 21 shall be calibrated before use according to the procedures specified in Method 21 on each day that leak checks are performed. The following calibration gases shall be used: <ul style="list-style-type: none"> <li>(i) Zero air (less than 10 parts per million by volume of hydrocarbon in air); and</li> <li>(ii) A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 parts per million by volume methane or n-hexane.</li> </ul> </li> </ul>	Rule 335-3-11-.06 (18)
<p>2. <i>Negative pressure procedures.</i> To demonstrate negative pressure at process equipment enclosure openings as specified in 40 CFR 63.450(b), the owner or operator shall use one of the following procedures:</p> <ul style="list-style-type: none"> <li>(1) An anemometer to demonstrate flow into the enclosure opening;</li> <li>(2) Measure the static pressure across the opening;</li> <li>(3) Smoke tubes to demonstrate flow into the enclosure opening; or</li> <li>(4) Any other industrial ventilation test method demonstrated to the Administrator's satisfaction.</li> </ul>	Rule 335-3-11-.06 (18)
<b>Emission Monitoring</b>	
<p>1. Each enclosure and closed-vent system used to comply with 40 CFR 63.450(a) shall comply with the requirements specified in bullets 1. (1) through (6) of this section.</p> <ul style="list-style-type: none"> <li>(1) For each enclosure opening, a visual inspection of the closure mechanism specified in 40 CFR 63.450(b) shall be performed at least once per calendar month with at least 14 days between inspections to ensure the opening is maintained in the closed position and sealed.</li> <li>(2) Each closed-vent system required by 40 CFR 63.450(a) shall be visually inspected at least once per calendar month with at least 14 days between inspections and at other times as requested by the Administrator. The visual inspection shall include inspection of ductwork, piping, enclosures, and connections to covers for visible evidence of defects.</li> <li>(3) For positive pressure closed-vent systems or portions of closed-vent systems, demonstrate no detectable leaks as specified in 40 CFR 63.450(c) measured initially and annually by the procedures in 40 CFR 63.457(d).</li> <li>(4) Demonstrate initially and annually that each enclosure opening is maintained at negative pressure as specified in 63.457(e).</li> <li>(5) The valve or closure mechanism specified in 40 CFR 63.450(d)(2) shall be inspected at least once each calendar month, with at least 14 days elapsed time between inspections to ensure that the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line.</li> </ul>	Rule 335-3-11-.06 (18)



## Enclosures and Closed-Vent Systems Provisos

Federally Enforceable Provisos	Regulations
<p>(6) If an inspection required by Proviso 1(1) through 1(5) of this section identifies visible defects in ductwork, piping, enclosures or connections to covers required by 40 CFR 63.450, or if an instrument reading of 500 parts per million by volume or greater above background is measured, or if enclosure openings are not maintained at negative pressure, then the following corrective actions shall be taken as soon as practicable.</p> <p>(i) A first effort to repair or correct the closed-vent system shall be made as soon as practicable but no later than 5 calendar days after the problem is identified.</p> <p>(ii) The repair or corrective action shall be completed no later than 15 calendar days after the problem is identified. Delay of repair or corrective action is allowed if the repair or corrective action is technically infeasible without a process unit shutdown or if the owner or operator determines that the emissions resulting from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of such equipment shall be completed by the end of the next process unit shutdown.</p> <p>2. Each pulping process condensate closed collection system used to comply with 40 CFR 63.446(d) shall comply with the requirements specified in provisos 2(a) through 2(c) of this section.</p> <p>(a) Each pulping process condensate closed collection system shall be visually inspected at least once each calendar month, with at least 14 days elapsed time between inspections and shall comply with the inspection and monitoring requirements specified in 63.964 of subpart RR of 40 CFR Part 63, except:</p> <p>(i) Owners or operators shall comply with the recordkeeping requirements of 63.454 instead of the requirements specified in 40 CFR 63.964(a)(1)(vi) and (b)(3) of 40 CFR Part 63 Subpart RR.</p> <p>(ii) Owners or operators shall comply with the inspection and monitoring requirements for closed-vent systems and control devices specified in provisos (a) and (k) of 40 CFR 63.453 instead of the requirements specified in 40 CFR 63.964(a)(2) of 40 CFR Part 63 Subpart RR.</p> <p>(b) Each condensate tank used in the closed collection system shall be operated with no detectable leaks as specified in 40 CFR 63.446(d)(2)(i) measured initially and annually by the procedures specified in 40 CFR 63.457(d).</p> <p>(c) If an inspection required by this section identifies visible defects in the closed collection system, or if an instrument reading of 500 parts per million or greater above background is measured, then corrective actions specified in 63.964(b) of 40 CFR Part 63 Subpart RR shall be taken.</p>	<p>Rule 335-3-11-.06 (18)</p>

## Enclosures and Closed-Vent Systems Provisos

Federally Enforceable Provisos	Regulations
<b>Recordkeeping and Reporting Requirements</b>	
<p>1. (a) The owner or operator of each affected source subject to the requirements of Subpart S shall comply with the recordkeeping requirements of 40 CFR §63.10 of Subpart A, as shown in Table 1 of Subpart S and the requirements specified in bullets 1. (b) and (c) of this section for the monitoring parameters specified in 40 CFR §63.453.</p> <p>(b) For each applicable enclosure opening, closed-vent system, and closed collection system, the owner or operator shall prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and shall record the following information for each inspection:</p> <ol style="list-style-type: none"> <li>(1) Date of inspection;</li> <li>(2) The equipment type and identification;</li> <li>(3) Results of negative pressure tests for enclosures;</li> <li>(4) Results of leak detection tests;</li> <li>(5) The nature of the defect or leak and the method of detection (i.e., visual inspection or instrument detection);</li> <li>(6) The date the defect or leak was detected and the date of each attempt to repair the defect or leak;</li> <li>(7) Repair methods applied in each attempt to repair the defect or leak;</li> <li>(8) The reason for the delay if the defect or leak is not repaired within 15 days after discovery;</li> <li>(9) The expected date of successful repair of the defect or leak if the repair is not completed within 15 days;</li> <li>(10) The date of successful repair of the defect or leak;</li> <li>(11) The position and duration of opening of bypass line valves and the condition of any valve seals; and</li> <li>(12) The duration of the use of bypass valves on computer controlled valves.</li> </ol> <p>(c) The owner or operator shall record the CMS parameters specified in 40 CFR 63.453 and meet the requirements specified in bullet 1.(a) of this section for any new affected process equipment or pulping process condensate stream that becomes subject to the standards in this subpart due to a process change or modification.</p>	<p>Rule 335-3-11-.06 (18)</p> <p>Rule 335-3-11-.06 (18)</p> <p>Rule 335-3-11-.06 (18)</p>



## 25,000 Gallon Methanol Storage Tank Provisos

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>Applicability</b></p> <ol style="list-style-type: none"> <li>This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".</li> <li>This source is subject to the requirements of New Source Performance Standards Subpart Kb and 40 CFR 60 Subpart A, General Provisions.</li> </ol> <p><b>Emission Standards</b></p> <ol style="list-style-type: none"> <li>There are no applicable emission standards for this unit.</li> </ol> <p><b>Compliance and Performance Test Methods and Procedures</b></p> <ol style="list-style-type: none"> <li>There are no applicable emission testing methods or procedures for this unit.</li> </ol> <p><b>Emission Monitoring</b></p> <ol style="list-style-type: none"> <li>There are no applicable emission monitoring requirements for this unit.</li> </ol> <p><b>Recordkeeping and Reporting Requirements</b></p> <ol style="list-style-type: none"> <li>The owner or operator of each storage vessel as specified in 40 CFR 60.110b(a), shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.</li> </ol>	<p>Rule 335-3-16-.03</p> <p>Rule 335-3-10-.02 (1) and (9)(b)</p> <p>Rule 335-3-10-.02 (9)(b)</p> <p>40 CFR 60 Subpart Kb 60.116b (b)</p>

## Two Gasoline Storage Tanks Informational Summary

**Description:** Two Gasoline Storage Tanks

**Emission Unit No:** 021

**Installation Date:** 1989

**Reconstruction / Modification date:**

**Operating Capacity:**

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

### Pollutants Emitted

<b>Emission Point #</b>	<b>Point Description</b>	<b>Pollutant</b>	<b>Emission Limit</b>	<b>Standard</b>
K001	Two Gasoline Storage Tanks	Volatile organic compounds	Submerged Fill	Rule 335-3-6-.03 (2)

## Two Gasoline Storage Tanks Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. This source is subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. This source is subject to the applicable requirements of Rule 335-3-6-.03 (2) "Loading and Storage of VOC".	Rule 335-3-6-.03 (2)
<b>Emission Standards</b>	
1. A submerged fill pipe is required.	Rule 335-3-6-.03 (2)(a)
<b>Compliance and Performance Test Methods and Procedures</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	
<b>Emission Monitoring</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	
<b>Recordkeeping and Reporting Requirements</b>	
1. This source is subject to no additional requirements other than those listed in the general provisos.	

## Converting Broke System Informational Summary

**Description:** Converting Broke System Equipped with a Venturi Wet Scrubber

**Emission Unit No:** 022

**Installation Date:** 1958 **Reconstruction / Modification date:** 2011

**Operating Capacity:** 400 ADTP/day

**Operating Schedule:** 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
X034	Converting Broke System Scrubber	Particulate Matter	≤ 2.28 lb/hr	Rule 335-3-14-.04
X034	Converting Broke System Scrubber	Opacity	≤ 20% with one 6-min period up to 40% in any one hour period	Rule 335-3-4-.01

## Converting Broke System Provisos

### Applicability

- |   |                   |
|---|-------------------|
| 1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits".                                       | Rule 335-3-16-.03 |
| 2. This source is subject to the requirements of ADEM Admin. Code 335-3-14-.04 prevention of significant deterioration synthetic minor limits for particulate matter. | Rule 335-3-14-.04 |

### Emission Standards

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|---|-------------------|
| 1. Particulate matter emissions shall not exceed 2.28 pounds per hour.  | Rule 335-3-14-.04 |
| 2. Opacity shall not exceed 20 percent as determined by six-minute average. During one six-minute period in any sixty minute period, a person may discharge into the atmosphere from any source of emission, particulate of an opacity not greater than that designated as forty percent. | Rule 335-3-4-.01  |

### Compliance and Performance Test Methods and Procedures

- |  |                   |
|--|-------------------|
| 1. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60 Method 5. | Rule 335-3-16-.05 |
| 2. Compliance with the opacity limit shall be determined in accordance with the 40 CFR Part 60 Method 9.                     | Rule 335-3-4-.01  |

### Emission Monitoring

- |   |                   |
|---|-------------------|
| 1. For particulate matter periodic monitoring, if any three-hour block average wet scrubber liquid supply flow rate (combined flow to the quench, venturi inlet and venturi throat) is less than 90 percent of its three hour average value recorded at the time of a required periodic test that showed compliance or a test approved by the Department that showed compliance, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours. | Rule 335-3-16-.05 |
| 2. Since this unit is controlled by a wet scrubber, opacity periodic monitoring will be satisfied through particulate emission periodic monitoring.   | Rule 335-3-16-.05 |

### Recordkeeping and Reporting Requirements

- |  |                   |
|--|-------------------|
| 1. Records of all three-hour block average wet scrubber liquid supply flow rate shall be made and maintained on file available for inspection for at least five years. | Rule 335-3-16-.05 |
|--|-------------------|



**RICE Units  
Provisos  
RICE Units  
Informational Summary**

**Description:** Lime Kiln Mud Engine, No. 1 Diesel Firewater Pump, No. 2 Diesel Firewater Pump, Telephone Generator, Lime Kiln Auxiliary Drive Engine, Water Plant Generator, Powerhouse Generator, Chemical Area Generator, and No. 8 Paper Machine Emergency Generator

**Emission Unit No:** 023

<b>Installation Date:</b>		<b>Reconstruction/Modification Date:</b>
RICE-01 – Lime Kiln Mud Engine	1992	N/A
RICE-02 – No. 1 Diesel Firewater Pump	2015	N/A
RICE-03 – No. 2 Diesel Firewater Pump	2013	N/A
RICE-04 – Telephone Generator	1994	N/A
RICE-05 – Lime Kiln Auxiliary Drive Engine	2015	N/A
RICE-06 – Water Plant Generator	1994	N/A
RICE-07 – Powerhouse Generator	1994	N/A
RICE-08 – Chemical Area Generator	2019	N/A
RICE-09 – No. 8 Paper Machine Emergency Generator	2020	N/A

<b>Operating Capacity:</b>	<b>HP</b>	<b>Type</b>	<b>Fuel</b>
RICE-01 – Lime Kiln Mud Engine	32	SI	Gasoline
RICE-02 – No. 1 Diesel Firewater Pump	219	CI	Diesel
RICE-03 – No. 2 Diesel Firewater Pump	215	CI	Diesel
RICE-04 – Telephone Generator	135	CI	Diesel
RICE-05 – Lime Kiln Auxiliary Drive Engine	99.8	CI	Diesel
RICE-06 – Water Plant Generator	102	CI	Diesel
RICE-07 – Powerhouse Generator	166	CI	Diesel
RICE-08 – Chemical Area Generator	304	SI	Natural Gas
RICE-09 – No. 8 Paper Machine Emergency Generator	304	SI	Natural Gas

<b>Operating Schedule:</b>	<b>Calendar Year Limit</b>	<b>Non-Emergency Use</b>
RICE-01 – Lime Kiln Mud Engine	≤100 hours/year	≤50 hours/year
RICE-02 – No. 1 Diesel Firewater Pump	≤100 hours/year	≤50 hours/year
RICE-03 – No. 2 Diesel Firewater Pump	≤100 hours/year	≤50 hours/year
RICE-04 – Telephone Generator	≤100 hours/year	≤50 hours/year
RICE-05 – Lime Kiln Auxiliary Drive Engine	N/A	N/A
RICE-06 – Water Plant Generator	≤100 hours/year	≤50 hours/year
RICE-07 – Powerhouse Generator	≤100 hours/year	≤50 hours/year
RICE-08 – Chemical Area Generator	≤100 hours/year	≤50 hours/year
RICE-09 – No. 8 Paper Machine Emergency Generator	≤100 hours/year	≤50 hours/year

These units contain equipment that is subject to the following NSPSs, NESHAPs, or MACTs:

- 40 CFR Part 60 Subpart IIII**
- 40 CFR Part 60 Subpart JJJJ**
- 40 CFR Part 63 Subpart ZZZZ**

## RICE Units Provisos

### Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
RICE-01 through RICE-09	All Units	Opacity	Shall not exceed 20% based on 6-minute average, except one 6-minute period in every 60-minute period it shall not exceed 40%	Rule 335-3-4-.01
RICE-01	Lime Kiln Mud Engine	HAPs	a) Change oil and filter every 500 hours of operation or annually, whichever comes first; b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Rule 335-3-11-.06 (103)
RICE-04, RICE-06, RICE-07	Telephone Generator, Water Plant Generator, Powerhouse Generator	HAPs	a) Change oil and filter every 500 hours of operation or annually, whichever comes first; b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Rule 335-3-11-.06 (103)
RICE-02, RICE-03	No. 1 Diesel Firewater Pump, No. 2 Diesel Firewater Pump	Multiple	NMHC + NO <sub>x</sub> : 3.0 g/hp-hr CO: 2.6 g/hp-hr PM: 0.15 g/hp-hr	Rule 335-3-10-.02 (87)
RICE-05	Lime Kiln Auxiliary Drive Engine	Multiple	NMHC: 0.19 g/kW-hr NO <sub>x</sub> : 0.40 g/kW-hr CO: 5.0 g/kW-hr PM: 0.02 g/kW-hr	Rule 335-3-10-.02 (87)
RICE-08	Chemical Area Generator	Multiple	NO <sub>x</sub> : 2.0 g/hp-hr CO: 4.0 g/hp-hr VOC: 1.05 g/hp-hr	Rule 335-3-10-.02 (88)
RICE-09	No. 8 Paper Machine Emergency Generator	Multiple	NO <sub>x</sub> : 2.0 g/hp-hr CO: 4.0 g/hp-hr VOC: 1.05 g/hp-hr	Rule 335-3-10-.02 (88)

## RICE Units Provisos

Federally Enforceable Provisos	Regulations
<b>Applicability</b>	
1. These sources are subject to the applicable requirements of Rule 335-3-16-.03, "Major Source Operating Permits".	Rule 335-3-16-.03
2. These units are subject to the requirements of ADEM Admin. Code 335-3-4-.01 for opacity emission rate limits.	Rule 335-3-4-.01
3. Units RICE-01 through RICE-09 are subject to the applicable requirements of ADEM Admin. Code R. 335-3-11-.06 (103), "National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Hazardous Air Pollutant (HAP) Emissions from Stationary Reciprocating Internal Combustion Engines" (40 CFR Part 63 Subpart ZZZZ).	Rule 335-3-11-.06 (103)
4. Units RICE-02, RICE-03, and RICE-05 are subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02 (87), "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" (40 CFR Part 60 Subpart IIII).	Rule 335-3-10-.02 (87)
5. Units RICE-08 and RICE-09 are subject to the applicable requirements of ADEM Admin. Code R. 335-3-10-.02 (88), "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines" (40 CFR Part 60 Subpart JJJJ).	Rule 335-3-10-.02 (88)
<b>Emission Standards</b>	
1. These units shall not discharge into the atmosphere opacity greater than twenty percent (20%), as determined by a six (6) minute average, except during one six (6) minute period in any sixty (60) minute period, these units may discharge into the atmosphere opacity not greater than forty percent (40%).	Rule 335-3-4-.01
2. Unit RICE-01 shall: a) Change oil and filter every 500 hours of operation or annually, whichever comes first.; b) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Rule 335-3-11-.06 (103)
3. Units RICE-04, RICE-06, and RICE-07, shall: a) Change oil and filter every 500 hours of operation or annually, whichever comes first; b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Rule 335-3-11-.06 (103)
4. For RICE-02, RICE-03, and RICE-05, the facility shall: a) Operate and maintain the certified stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; b) Adjust engine settings according to and consistent with the manufacturer's instructions; c) Keep records of conducted maintenance to demonstrate compliance.	Rule 335-3-10-.02 (87)
5. For RICE-08 and RICE-09, the facility shall: a) Operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions; b) Adjust engine settings according to and consistent with the manufacturer's instructions; c) Keep records of conducted maintenance to demonstrate compliance.	Rule 335-3-10-.02 (88)
6. For RICE-01, RICE-04, RICE-06, and RICE-07, the facility must minimize engine time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. The emission standards in Table 2c of 40 CFR 63 Subpart ZZZZ apply to all times other than startup.	Rule 335-3-11-.06 (103)

## RICE Units Provisos

Federally Enforceable Provisos	Regulations
<p>7. In accordance with 40 CFR Part 60.4202(d), the permittee shall not cause or allow the emissions from units RICE-02 and RICE-03 to exceed the applicable emission standards in Table 4 of this subpart, specifically:</p> <ul style="list-style-type: none"> <li>i. The sum of the emissions of Non-methane Hydrocarbons (NMHC) and Nitrogen Oxides (NO<sub>x</sub>) shall not exceed: 3.0 g/hp-hr</li> <li>ii. The Carbon Monoxide (CO) emission rate shall not exceed: 2.6 g/hp-hr</li> <li>iii. The Particulate Matter (PM) emission rate shall not exceed: 0.15 g/hp-hr</li> </ul>	Rule 335-3-10-.02 (87)
<p>8. In accordance with 40 CFR Part 60.4204(b), the permittee shall not cause or allow the emissions from RICE-05 to exceed the applicable emission standards in 40 CFR Part 1039.101, specifically:</p> <ul style="list-style-type: none"> <li>i. Non-methane Hydrocarbon (NMHC) emissions shall not exceed: 0.19 g/kW-hr</li> <li>ii. Nitrogen Oxides (NO<sub>x</sub>) emissions shall not exceed: 0.40 g/kW-hr</li> <li>iii. Carbon Monoxide (CO) emissions shall not exceed: 5.0 g/kW-hr</li> <li>iv. Particulate Matter (PM) emissions shall not exceed: 0.02 g/kW-hr</li> </ul>	Rule 335-3-11-.06 (103)
<p>9. In accordance with 40 CFR Part 60.4233€, the permittee shall not cause or allow the emissions from RICE-08 and RICE-09 to exceed the applicable emission standards in Table 1 of this subpart, specifically:</p> <ul style="list-style-type: none"> <li>i. Nitrogen oxides (NO<sub>x</sub>) emissions shall not exceed: 2.0 g/hp-hr</li> <li>ii. Carbon monoxide (CO) emissions shall not exceed: 4.0 g/hp-hr</li> <li>iii. Volatile organic compound (VOC) emissions shall not exceed: 1.05 g/hp-hr</li> </ul>	Rule 335-3-10-.02 (88)
<p>10. In accordance with 40 CFR Part 63.6640(f), for units RICE-01, RICE-04, RICE-06, and RICE-07, there is no time limit for use in emergency situations. Maintenance checks and readiness testing is limited to 100 hr/year. The unit may operate up to 50 hr/year in non-emergency situations, and these hours of use are counted toward the 100 hr/year non-emergency time limit.</p>	Rule 335-3-11-.06 (103)
<p>11. For RICE-02, RICE-03, and RICE-05, pursuant to 40 CFR 60.4211 (f), there is no time limit for use in emergency situations. Maintenance checks and readiness testing is limited to 100 hr/year. The unit may operate up to 50 hr/year in non-emergency situations, and these hours of use are counted toward the 100 hr/year non-emergency time limit.</p>	Rule 335-3-10-.02 (87)
<p>12. For RICE-08 and RICE-09, pursuant to 40 CFR Part 60.4243(d), there is no time limit for use in emergency situations. Maintenance checks and readiness testing is limited to 100 hr/year. The unit may operate up to 50 hr/year in non-emergency situations, and these hours of use are counted toward the 100 hr/year non-emergency time limit.</p>	Rule 335-3-10-.02 (88)
<p>13. In accordance with 40 CFR Part 60.4207(b) and 40 CFR Part 63.6604(b), the permittee shall not burn any diesel fuel that does not meet the following per-gallon standards of 40 CFR Part 80.510(b):</p> <ul style="list-style-type: none"> <li>i. Sulfur content shall not exceed 15 parts per million (ppm); and</li> <li>ii. Cetane index shall be a minimum of 40 <u>or</u> the aromatic content shall not exceed 35 volume percent.</li> </ul>	<p>Rule 335-3-10-.02 (87)</p> <p>Rule 335-3-11-.06 (103)</p>
<p><b>Compliance and Performance Test Methods and Procedures</b></p>	
<p>1. For RICE-01 through RICE-08, Method 9 as defined in 40 CFR 60, Appendix A, shall be used in the determination of the opacity of the stack emissions.</p>	Rule 335-3-1-.05

## RICE Units Provisos

Federally Enforceable Provisos	Regulations
2. The facility must demonstrate continuous compliance with the operating limitations in Tables 2c according to the methods specified in Table 6 (9) to 40 CFR 63 Subpart ZZZZ for RICE-01, RICE-04, RICE-06, and RICE-07.	Rule 335-3-11-.06 (103)
3. RICE-02, RICE-03, and RICE-05 must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart IIII for compression ignition engines.	Rule 335-3-11-.06 (103)
4. RICE-08 and RICE-09 must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ for spark ignition engines.	Rule 335-3-11-.06 (103)
<b>Emission Monitoring</b>	
1. In accordance 40 CFR Part 63.6635(f), 40 CFR Part 60.4209(a), and 40 CFR Part 60.4237(b), a non-resettable hour meter must be installed on these units (except RICE-05) prior to startup of the engine.	Rule 335-3-11-.06 (103) Rule 335-3-10-.02 (87) Rule 335-3-10-.02 (88)
2. The facility shall monitor and collect data according to the requirements of 40 CFR 63.6635.	Rule 335-3-11-.06 (103)
<b>Recordkeeping and Reporting Requirements</b>	
1. The facility shall keep records in accordance with §63.6655 for RICE-01, RICE-04, RICE-06, and RICE-07.	Rule 335-3-11-.06 (103)
2. In accordance with §63.6640, the facility shall report, for RICE-01, RICE-04, RICE-06, RICE-07, and RICE-08, each instance in which it did not meet each operating limitation in Table 2c. These instances are deviations from the operating limitation and they must be reported according to the requirements in 63.6650.	Rule 335-3-11-.06 (103)
3. If any of the existing units are reconstructed, the facility shall submit an Initial Notification.	Rule 335-3-11-.06 (103)
4. The facility shall maintain and show records of the manufacturer's certification pursuant to requirements of 40 CFR 60.4201(a) for RICE-05 and 40 CFR 60.4202(d) for RICE-02 and RICE-03.	Rule 335-3-10-.02 (87)
5. For RICE-08 and RICE-09, the facility shall keep records in accordance with 40 CFR 60.4245(a)(1)-(3), specifically: <ul style="list-style-type: none"> <li>a. All notifications submitted to comply with this subpart and documentation supporting any notification.</li> <li>b. All maintenance conducted on the engine.</li> <li>c. Documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR 1048.</li> </ul>	Rule 335-3-10-.02 (88)
6. To demonstrate compliance with the operational limitations, the permittee shall maintain records of the date, time, duration, and purpose of operation each time these units is operated. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.	Rule 335-3-11-.06 (103) Rule 335-3-10-.02 (87) Rule 335-3-10-.02 (88)
7. To demonstrate compliance with the fuel limitations in Emission Standards Proviso 11, the permittee shall maintain records of the sulfur content <u>and</u> either the Cetane index or aromatic content of the diesel fuel that is burned in these units. These records shall be maintained in a permanent form suitable for inspection and shall be readily available for inspection upon request. These records shall be retained for a period of 5 years from the date of generation of each record.	Rule 335-3-11-.06 (103) Rule 335-3-10-.02 (87)

## Sources Subject Only to the General Provisos

High Density Tower	PM010 – Starch System Scrubber
Secondary Knotter	PM020 – No. 2 Starch Silo Baghouse
Washed Stock Chest	Bark Handling
Primary Rejects Chest	Chip Handling
Secondary Rejects Chest	No. 1 Paper Machine Yankee Hood Dryer
Quaternary Screen Head Box	No. 3 Paper Machine Infrared Dryer
Quaternary Screen	No. 6 Paper Machine Yankee Hood Dryer
Decker Vacuum Pump	No. 7 Paper Machine Yankee Hood Dryer
Decker	No. 7 Paper Machine Scrubber Vent
Decker Filtrate Chest	ET040 Sludge Press
HiDensity Storage	ET050 Sludge Press
Broke Feed Chest	Debarking Equipment
Filtrate Tank	CV120 – No. 8 Towel Rewinder Scrubber
Broke Washer	PCMC Forte Line No. 1
Lime Mud Washer	PCMC Forte Line No. 2
Lime Mud Filtrate	PCMC Forte Line No. 3
LK080 – Lime Silo Baghouse	PCMC Forte Line No. 4
LK090 – Slaker Scrubber	PCMC Forte Line No. 5

## Summary Page for Facility-Wide Fugitive Dust Plan

Permitted Operating Schedule: 8760 Hrs/yr

### Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Fugitive	Fugitive Dust	PM	N/A	ADEM Admin. Code r. 335-3-4-.02

## Provisos for Facility-Wide Fugitive Dust Plan

Federally Enforceable Provisos	Regulations
<p><b>Applicability</b></p> <p>1. These units are subject to the provisions of ADEM Admin. Code r. 335-3-16, “Major Source Operating Permits.”</p>	Rule 335-3-16
<p><b>Emission Standards</b></p> <p>1. The permittee shall take reasonable precautions as directed in Proviso 1 of “Compliance and Performance Test Methods and Procedures” below to prevent fugitive dust at the facility which travel beyond the facility property line and cause a nuisance.</p>	Rule 335-3-4-.02
<p><b>Compliance and Performance Test Methods and Procedures</b></p> <p>1. The permittee shall utilize the Facility Dust Plan submitted on March 23, 2023, in order to minimize and address fugitive dust emissions.</p>	Rule 335-3-16-.07
<p><b>Emission Monitoring</b></p> <p>1. The permittee shall conduct weekly, considering factors such as naturally wet conditions, visual observations for fugitive dust in areas listed with potential to generate fugitive dust, and if visible emissions traveling beyond the facility property line are observed, any necessary corrective actions shall be initiated within four (4) hours of observation.</p>	Rule 335-3-16-.05
<p><b>Recordkeeping and Reporting Requirements</b></p> <p>1. The permittee shall maintain a record of all inspections, to include visible observations performed to satisfy the requirements of Proviso 1 of Emission Monitoring section of this Permit. This shall include problems observed and corrective actions taken. The records shall be retained for at least five (5) years from the date of generation and shall be available upon request.</p>	Rule 335-3-16-.05