



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: WestRock Mill Company, LLC

FACILITY NAME: WestRock Mill Company, LLC – Demopolis Mill

FACILITY/PERMIT NO.: 105-0001

LOCATION: Demopolis, AL

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (1997 Rplc. Vol. and 2006 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (1997 Rplc. Vol. and 2006 Cum. Supp.) and rules and regulations adopted thereunder, 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.

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No. 3 Lime Kiln Informational Summary

Description: No. 3 Lime Kiln
Utilities

Emission Unit No: 026

Installation Date: 1995 **Reconstruction / Modification date:** N/A

Operating Capacity: 54,167 lb/hr (as CaO)

Operating Schedule: 8,760 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	Filterable Particulate matter (gas)	≤ 0.035 gr/dscf @ 10% O ₂ and/or ≤ 22 lbs/hr	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Filterable Particulate matter (oil)	≤ 0.064 gr/dscf @ 10% O ₂ and/or ≤ 42 lbs/hr	Rule 335-3-10-.02 (28) Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Total Reduced Sulfur	≤ 8 ppmdv @ 10% O ₂ and/or ≤ 3.1 lbs/hr.	Rule 335-3-10-.02(28) Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Sulfur Dioxide	≤ 44 ppmdv @ 10% O ₂ and/or ≤ 32.1 lbs/hr.	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Opacity	≤ 20% with one six-minute period up to 40% in any one hour period	Rule 335-3-4-.01 (1)
X026	No. 3 Lime Kiln	Nitrogen Oxides	≤ 175 ppmdv @ 10% O ₂ and/or ≤ 91.8 lbs/hr.	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Carbon Monoxide	≤ 80 ppmdv @ 10% O ₂ and/or ≤ 25.5 lbs/hr.	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Volatile Organic Compounds	≤ 0.69 lb/ton as CaO and/or ≤ 18.8 lbs/hr as carbon.	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	Sulfuric Acid Mist	≤ 1.2 lbs/hr.	Rule 335-3-14-.04 (9)
X026	No. 3 Lime Kiln	HAPS	PM as a surrogate ≤ 0.064 gr/dscf 10% O ₂	Rule 335-3-11-.06 (1) & (38)

Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
No. 2 Fuel Oil	0.5	0.001
No. 5 Fuel Oil	3.2	0.15
Natural Gas	N/A	N/A

No. 3 Lime Kiln Provisos

Federally Enforceable Provisos

Regulations

Applicability

- | | |
|--|------------------------------|
| 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 New Source Performance Standards 40 CFR 60 Subpart A and Subpart BB. | Rule 335-3-10-.02 (1) & (28) |
| 3. This Source is subject to the requirements of ADEM Admin. Code 335-3-14-.04 (9). | 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. | Rule 335-3-11-.06 (1) & (38) |

Emission Standards

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|---|---|
| 1. Filterable particulate matter shall not exceed the more stringent of 0.035 gr/sdcf at 10 percent oxygen and 22 pounds per hour when firing natural gas and shall not exceed the more stringent of 0.064 gr/sdcf at 10 percent oxygen and 42 pounds per hour when firing fuel oil. | Rule 335-3-10-.02 (28)
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 3.1 pounds per hour. | Rule 335-3-10-.02 (28)
Rule 335-3-14-.04 (9) |
| 3. Sulfur dioxide emissions shall not exceed 44 parts per million at 10 percent oxygen and 32.1 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 parts per million volume at 10 percent oxygen and 91.8 pounds per hour. | Rule 335-3-14-.04 (9) |
| 6. Carbon monoxide emissions shall not exceed the more stringent of 80 parts per million volume at 10 percent oxygen and 25.5 pounds per hour. | Rule 335-3-14-.04 (9) |
| 7. Volatile organic compound emissions shall not exceed 0.69 pounds per ton as CaO and 18.8 pounds per hour. | Rule 335-3-14-.04 (9) |
| 8. Sulfuric acid mists emissions shall not exceed 1.2 pounds per hour. | Rule 335-3-14-.04 (9) |
| 9. In accordance with 40 CFR Part 63 Subpart MM, particulate matter emissions, as a surrogate for HAPS, shall not exceed 0.064 gr/dscf corrected to 10 percent oxygen. | Rule 335-3-11-.06 (1) & (38) |
| 10. In accordance with 40 CFR Part 63, Subpart MM, this unit's opacity shall not exceed 20 percent for 3 percent or more of the operating time within any semiannual period. | Rule 335-3-11-.06 (1) & (38) |
| 11. When firing fuel oil, this unit shall only fire fuel oil that contains no more than 3.2 sulfur by weight. | Rule 335-3-14-.04 (9) |

Compliance and Performance Test Methods and Procedures

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| 1. Compliance with the particulate matter emission limit shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 5 or 17. Alternative test methods may be used provided prior approval by the Department is granted. | Rule 335-3-14-.02 |
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No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
2. Compliance with the opacity limit shall be determined in accordance with the 40 CFR 60 Appendix A Method 9. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-4-.01
3. Compliance with the total reduced sulfur emission limit shall be determined in accordance with 40 CFR Part 60 Appendix A Method 16, 16A or 16B. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-10-.02 (28)
4. Compliance with the sulfur dioxide emission limit shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 6, 6A or 6C. Alternative test methods may be used provided prior approval by the Department is granted.	
5. Compliance with the nitrogen oxide emission limit shall be determined in accordance with the 40 CFR part 60 Appendix A Method 7 or 7E. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
6. Compliance with the carbon monoxide emission limit shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 10. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
7. Compliance with the volatile organic compound emission limit shall be determined in accordance with the 40 CFR Part 60 Appendix A Method 18, 25, 25A or 25B. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
8. Compliance with the sulfuric acid mists emission limit shall be determined in accordance with the 40 CFR Part 60 Method 8 or other method approved by the Department. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
9. The fuel oil sulfur content shall be measured in accordance with fuel oil sampling and analysis procedures in the appropriate ASTM method. Alternative test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
Emission Monitoring	
1. A particulate matter emission test shall be performed at least once per year. At least once every five years, the annual test shall be performed while firing the non-predominant fuel.	Rule 335-3-14-.02
2. For particulate matter, sulfur dioxide, sulfuric acid mists, nitrogen oxides, carbon monoxide and volatile organic compound periodic monitoring, if any three-hour block average lime 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 lime mud feed rate is to be lowered until compliance is successfully demonstrated at the higher rate.	Rule 335-3-14-.02
3. For particulate matter and opacity periodic monitoring, if the average of any ten consecutive six-minute opacity averages exceeds 20 percent during times when lime mud is being fed, the cause is to be investigated and appropriate corrective action is to be taken.	Rule 335-3-16-.05
4. A total reduced sulfur continuous emission monitor shall be installed, calibrated, maintained and operated in accordance with 40 CFR §60.284.	Rule 335-3-10-.02 (28)
5. A continuous emission monitoring system for the measurement of opacity shall be installed, operated and maintained.	Rule 335-3-14-.02
6. A sulfur dioxide emission test shall be performed at least once every five years.	Rule 335-3-14-.02

No. 3 Lime Kiln Provisos

Federally Enforceable Provisos	Regulations
7. For sulfur dioxide periodic monitoring obtain fuel receipts from the fuel oil supplier that certify sulfur content in fuel for every load received by the mill.	Rule 335-3-14-.02
8. A nitrogen oxide emission test shall be performed at least once every five years.	Rule 335-3-14-.02
9. A carbon monoxide emission test shall be performed at least once every five years.	Rule 335-3-14-.02
10. A sulfuric acid mists emission test shall be performed at least once every five years.	Rule 335-3-14-.02
11. A volatile organic compound emission test shall be performed at least once every five years.	Rule 335-3-14-.02
12. Pursuant to 40 CFR Part 63, Subpart MM, the Continuous Opacity Monitoring System shall meet the provisions of Performance Specification 1 in appendix B to 40 CFR Part 60, as well as §63.6(h), §63.8, and §63.864(d)(3) and (4).	Rule 335-3-11-.06 (1) & (38)
13. As specified in §63.8(g)(5), monitoring data recorded during periods of unavoidable CMS breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high level adjustments shall not be included in any data average computed under 40 CFR 63, Subpart MM.	Rule 335-3-11-.06 (1) & (38)
14. The first periodic particulate matter performance test shall be performed by October 13, 2020 pursuant to §63.865 and every 5 years thereafter. Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.	Rule 335-3-11-.06 (1) & (38)
15. The facility must maintain proper operation of the ESP's automatic voltage control (AVC).	Rule 335-3-11-.06 (1) & (38)
Recordkeeping and Reporting Requirements	
1. A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-14-.02
2. 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.	Rule 335-3-14-.02
3. Records of all six-minute average opacities shall be made and maintained on file available for inspection for a period of five years.	Rule 335-3-14-.02
4. A sulfur dioxide emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
5. A sulfuric acid mists emission test report shall be submitted to the Department at least once every five years.	Rule 335-3-14-.02
6. A nitrogen oxide emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
7. A carbon monoxide emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
8. A volatile organic compound emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02

No. 3 Lime Kiln Provisos

Federally Enforceable Provisos

Regulations

Federally Enforceable Provisos	Regulations
<p>9. 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"> 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). b. The date and time of commencement and completion of each time period of excess emissions. c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted. 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. 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. 	<p>Rule 335-3-10-.02 (28)</p>
<p>10. A written report of the 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 reports will include the following information:</p> <ul style="list-style-type: none"> a. The magnitude of excess emissions greater than 20 percent, computed from six-minute averages (data recorded during periods of monitoring system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages). b. The date and time of commencement and completion of each time period of excess emissions. c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted. d. The date and time identifying each period during which the monitoring system was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments. e. When no excess emissions have occurred and the monitoring system was not inoperative or did not require repairs or adjustments, such information will be stated in the report. 	<p>Rule 335-3-14-.02 (28)</p>
<p>11. 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.</p>	<p>Rule 335-3-14-.02</p>

No. 3 Lime Kiln Provisos

Federally Enforceable Provisos

Regulations

12. 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 during times when lime mud is fed, and when a violation is noted when opacity is greater than 20 percent for 3 percent or more of the operating time within any semiannual period.

For each failure to meet the opacity standard, the date, start time, and duration of each failure must be recorded, along with the actions taken to minimize emissions, and any corrective actions taken to return the affected unit to its normal or usual manner of operation.

The facility must also maintain sufficient information to estimate the quantity of each regulated pollutant emitted over the emission limit. This information must be sufficient to provide a reliable emissions estimate if requested by the Administrator.

13. Pursuant to 40 CFR Part 63, Subpart MM, the facility must maintain records demonstrating that proper operation of the ESP's automatic voltage control (AVC) system was maintained.

14. Pursuant to 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 20 percent for 3 percent or more of the operating time within any semiannual period. 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.

Excess Emissions and Summary Reports must be reported electronically via CEDRI per §63.867(d)(2).

Reports shall be submitted within 30 days following the end of the semiannual periods ending on June 30 and December 31.

15. The facility shall maintain records of all 6-minute periods when the opacity is greater than 20%.
16. Pursuant to 40 CFR Part 63, Subpart MM the facility must maintain records of the CaO production rates in units of Mg/d or ton/d.

Rule 335-3-11-.06 (1) & (38)

Rule 335-3-11-.06 (1) & (38)

Rule 335-3-11-.06 (1) & (38)

Rule 335-3-11-.06 (1) & (38)

Rule 335-3-11-.06 (1) & (38)

No. 3 Smelt Dissolving Tank Provisos

Federally Enforceable Provisos	Regulations
Applicability	
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) & (28)
3. This source is subject to the applicable requirements of Rule 335-3-14-.04(a) for Particulate Matter, Total Reduced Sulfur, and Sulfur Dioxide.	Rule 335-3-14-.04 (a)
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) & (38)
Emission Standards	
1. Particulate matter emissions shall not exceed the more stringent of 0.12 pounds per ton of black liquor solids (dry basis) and 8.3 pounds per hour.	Rule 335-3-10-.02 (1) & (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 2.3 pounds per hour	Rule 335-3-5-.04 Rule 335-3-14-.04 (9) Rule 335-3-11-.06 (1) & (38)
3. Sulfur dioxide emissions shall be no greater than 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. In accordance with 40 CFR Part 63 Subpart MM, particulate matter emissions, as a surrogate for HAPS, shall not exceed 0.20 pounds per ton of black liquor solids fired.	Rule 335-11-.06 (1) & (38)
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 or 17. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
2. Compliance with the total reduced sulfur emission limit shall be determined in accordance with 40 CFR Part 60 Method 16, 16A or 16B. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
3. Compliance with the sulfur dioxide emission limit shall be determined in accordance with 40 CFR Part 60 Method 6, 6a, or 6c. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
4. Compliance with the opacity limit shall be determined in accordance with the 40 CFR Part 60 Method 9. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-4-.01
Emission Monitoring	
1. A particulate matter emission test shall be performed at least once per year.	Rule 335-3-14-.02
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 335-3-14-.02

No. 3 Smelt Dissolving Tank Provisos

Federally Enforceable Provisos	Regulations
3. A sulfur dioxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-14-.02
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
5. For particulate matter, total reduced sulfur and sulfur dioxide periodic monitoring, if any three-hour block average wet scrubber liquid supply 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.	Rule 335-3-16-.05
6. Pursuant to 40 CFR Part 63, Subpart MM, the facility shall monitor the wet scrubber total liquid supply flow rate (combined flow to the fan and lower zone spray nozzles) and the fan rpm during times when spent pulping liquor is fed. Fan amperage may be used, if fan rpm is not available. The parametric monitoring system shall meet the requirements listed in 40 CFR 63.8(c). Monitoring of the flow rate and fan rpm is an approved alternative to the requirements listed in 40 CFR 63.864 (e)(10). 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 40 CFR 63.864 (j) during times when spent pulping liquor is fed, with the exception of wet scrubber total liquid supply flow rate during periods of startup and shutdown.. No more than one exceedance will be attributed in any given 24-hour period.	Rule 335-3-11-.06 (1) & (38)
7. 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
8. The first periodic particulate matter performance test shall be performed by October 13, 2020 pursuant to §63.865 and every 5 years thereafter. Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.	Rule 335-3-11-.06 (1) & (38)
9. As specified in §63.8(g)(5), monitoring data recorded during periods of unavoidable CMS breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high level adjustments shall not be included in any data average computed under 40 CFR 63, Subpart MM.	Rule 335-3-11-.06 (1) & (38)
Recordkeeping and Reporting Requirements	
1. A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-14-.02
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.	Rule 335-3-14-.02
3. Records of all three-hour block average wet scrubber liquid supply flow rates, weak wash flow rate (if different), and fan rpm shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-14-.02
4. Records of the fan motor rpm shall be made and maintained on file available for inspection for at least five years.	

No. 3 Smelt Dissolving Tank Provisos

Federally Enforceable Provisos	Regulations
5. A sulfur dioxide emission test report shall be submitted to the Department at least once every five years.	Rule 335-3-14-.02
6. A total reduced sulfur emission test report shall be submitted to the Department at least once every five years.	Rule 335-3-14-.02
7. Pursuant to 40 CFR Part 63, Subpart MM the facility must maintain records of any occurrence when corrective action is required (when a 3-hour average flow rate or rpm value is below the minimum operating limit established according to §63.864(j) during times when spent pulping liquor is fed, with the exception of wet scrubber total liquid supply flow rate during periods of startup and shutdown), and when a violation is noted (when six or more 3-hour average flow rate or rpm values within any 6-month reporting period are below the minimum operating limits established in accordance with 40 CFR 63.864 (j) during times when spent pulping liquor is fed, with the exception of wet scrubber total liquid supply flow rate during periods of startup and shutdown.).	Rule 335-3-11-.06 (1) & (38)
8. Pursuant to 40 CFR Part 63, Subpart MM the facility must maintain records of parametric monitoring data required under 40 CFR 63.864, including any period when the 3-hour average flow rate or rpm value, during times when spent pulping liquor is fed, were inconsistent with the levels established during the initial or subsequent performance tests, with a brief explanation of the cause of the deviation, the time the deviation occurred, and the time corrective action was initiated and completed, and corrective action taken. The facility must also maintain sufficient information to estimate the quantity of each regulated pollutant emitted over the emission limit for each failure to meet an operating limit. The information must be sufficient to provide a reliable emissions estimate if requested by the Administrator.	Rule 335-3-11-.06 (1) & (38)
The facility must also maintain records and documentation of supporting calculations for compliance determinations made under 40 CFR 63.865 (a) through (d).	
The facility must also maintain the records of the monitoring parameter ranges for the fan rpm's and scrubber flow rates.	
9. Pursuant to 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 when the flow rate or rpm's were below the minimum operating limit during times 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 both the Summary Report and Excess Emissions Report must be submitted.	Rule 335-3-11-.06 (1) & (38)
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	
Reports shall be submitted within 30 days following the end of the semiannual periods ending on June 30 and December 31.	

No. 3 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
Applicability	
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) & (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, volatile organic compounds, and sulfuric acid mists.	Rule 335-3-14-.04 (9)(b)
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) & (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).	Rule 335-3-11-.06 (1) & (38)
Emission Standards	
1. Particulate matter emissions shall not exceed the more stringent of 0.021 grains per SDCF at 8 % oxygen and 44.9 pounds per hour.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9) (b)
2. Total reduced sulfur emissions shall not exceed the more stringent of 5 parts per million by volume at 8% oxygen and 11.0 pounds per hour.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9) (b)
3. Sulfur dioxide emissions shall not exceed the more stringent of 100 parts per million by volume at 8% oxygen and 252.9 pounds per hour (three-hour average) when black liquor is being fired.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9) (b)
4. When firing fuel oil, this unit shall only fire fuel oil that contains no more than 0.05% sulfur by weight.	Rule 335-3-10-.02 (2)(b)
5. Nitrogen oxide emissions shall not exceed the more stringent of 110 parts per million per volume at 8% oxygen and 199.9 pounds per hour when black liquor is fired.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9) (b)
6. Pursuant to 40 CFR Part 60 Section 60.44b(c) or 60.44b(d), depending on the combination of fossil fuel fired, the fossil fuel annual capacity factor shall be ten (10) percent or less. The annual capacity factor is defined as the ratio between the actual heat input to the boiler from fossil fuel during a calendar year and the potential heat input to the boiler had it been operated 8,760 hours at the maximum steady state design heat input.	Rule 335-3-14-.04 (9) Rule 335-3-10-.02 (2)(b)
7. The nitrogen oxide emission rates apply at all times except during start-up and shut-down. Start-up is defined as the period between the introduction of fire into the boiler until the boiler is capable of operation only on black liquor and shall not exceed 16 hours. During shut-down, liquor is gradually replaced with oil until the unit fires only oil. Then the oil is gradually removed. Shut-down shall not exceed 12 hours.	Rule 335-3-14-.04 (9)
8. Opacity shall not exceed 20 percent.	Rule 335-3-14-.04(9)
9. Pursuant to 40 CFR Part 63, Subpart MM, this unit's opacity shall not exceed 35 percent for 2 percent or more of the operating time when spent pulping liquor is fed within any semiannual period.	Rule 335-3-11-.06 (1) & (38)
10. Carbon monoxide emissions shall not exceed the more stringent of 300 parts per million by volume at 8% oxygen and 331.9 pounds per hour.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9) (b)

No. 3 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
11. Volatile organic compound emissions shall not exceed the more stringent of 0.04 lb/MMBtu and 43.2 pounds per hour (as carbon).	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9) (b)
12. Sulfuric acid mist emissions shall not exceed 3.78 pounds per hour.	Rule 335-3-14-.04 (9)
13. Pursuant to 40 CFR Part 63, Subpart MM, as a surrogate for HAPs, the particulate matter emissions from this unit shall not exceed 0.044 grains per SDCF at 8% oxygen.	Rule 335-3-11-.06 (1) & (38)
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 or 17. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9)
2. Compliance with the total reduced sulfur emission limit shall be determined in accordance with 40 CFR Part 60 Method 16, 16A or 16B. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-10-.02 (1) & (28) Rule 335-3-14-.04 (9)
3. Compliance with the sulfur dioxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 6, 6A or 6C. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
4. Compliance with the nitrogen oxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 7 or 7E. Alternate test methods may be used provided prior approval by the Department is granted or by the NOx CEMs.	Rule 335-3-14-.02
5. Compliance with the opacity limit shall be determined in accordance with 40 CFR Part 60 Appendix A Method 9. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
6. Compliance with the carbon monoxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 10. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
7. 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. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
8. The fuel oil sulfur content shall be measured in accordance with fuel oil sampling and analysis procedures in the appropriate ASTM method. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
9. Compliance with the sulfuric acid mists emission limit shall be determined in accordance with the 40 CFR Part 60 Method 8, 13, 13A, or 13B. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-14-.02
Emission Monitoring	
1. A particulate matter emission test shall be performed at least once per year.	Rule 335-3-14-.02
2. For particulate matter and opacity periodic monitoring, if the average of any ten consecutive six-minute opacity averages exceeds 20 percent when spent pulping liquor is being fed, the cause is to be investigated and appropriate corrective action is to be taken within twenty-four hours.	Rule 335-3-16-.05
3. For particulate matter, sulfur dioxide, carbon monoxide, volatile organic compound, and sulfuric acid mists 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

No. 3 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
4. A continuous emission monitoring system for the measurement of total reduced sulfur, oxygen, nitrogen oxides, and opacity shall be installed, calibrated, operated and maintained.	Rule 335-3-14-.02
5. A sulfur dioxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-14-.02
6. For sulfur dioxide periodic monitoring, obtain fuel oil receipts from the suppliers that certify sulfur content in fuel for every load received by the mill.	Rule 335-3-14-.02
7. Pursuant to 40 CFR Part 63, Subpart MM, the Continuous Opacity Monitoring System shall meet the provisions of Performance Specification 1 in appendix B to 40 CFR Part 60, as well as §63.6(h), §63.8, and §63.864(d)(3) and (4).	Rule 335-3-11-.06 (1) & (38)
8. A carbon monoxide emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-14-.02
9. A volatile organic compound emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-14-.02
10. A sulfuric acid mists emission test shall be performed at least once every five years to certify compliance and set periodic monitoring parameters.	Rule 335-3-14-.02
11. The first periodic particulate matter performance test shall be performed by October 13, 2020 pursuant to §63.865 and every 5 years thereafter. Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.	Rule 335-3-11-.06 (1) & (38)
12. The facility must maintain proper operation of the ESP's automatic voltage control (AVC).	Rule 335-3-11-.06 (1) & (38)
13. As specified in §63.8(g)(5), monitoring data recorded during periods of unavoidable CMS breakdowns, out-of-control periods, repairs, maintenance periods, calibration checks, and zero (low-level) and high level adjustments shall not be included in any data average computed under 40 CFR 63, Subpart MM.	Rule 335-3-11-.06 (1) & (38)
Recordkeeping and Reporting Requirements	
1. A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-14-.02
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 335-3-14-.02
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 335-3-14-.02
4. A sulfur dioxide (SO ₂) emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
5. A carbon monoxide emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
6. A volatile organic compound emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
7. A sulfuric acid mist emission test report shall be submitted to the Department at least every five years.	Rule 335-3-14-.02
8. Records of the amount of fossil fuel 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 335-3-14-.02

No. 3 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
9. 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 335-3-14-.02
10. 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"> a. 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). b. The date and time of commencement and completion of each time period of excess emissions. c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted. 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. 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. 	Rule 335-3-14-.02
11. The nitrogen oxides (NO _x) continuous emissions monitoring system audit report shall be submitted to the Department within thirty days of the end of each calendar quarter.	Rule 335-3-14-.02
12. A report of excess nitrogen oxide (NO _x) 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: <ul style="list-style-type: none"> a. The magnitude of excess emissions greater than 110 parts per million adjusted to 8 percent oxygen computed from three-hour rolling averages (data recorded during periods of monitoring system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages). b. The date and time of commencement and completion of each time period of excess emissions. c. The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted. d. 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. e. 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. 	Rule 335-3-14-.02

No. 3 Recovery Furnace Provisos

Federally Enforceable Provisos	Regulations
<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 when spent pulping liquor is fed, and when a violation is noted when opacity is greater than 35 percent for 2 percent or more of the operating time within any semiannual period.</p> <p>For each failure to meet the opacity standard, the date, start time, and duration of each failure must be recorded, along with the actions taken to minimize emissions, and any corrective actions taken to return the affected unit to its normal or usual manner of operation.</p> <p>The facility must also maintain sufficient information to estimate the quantity of each Subpart MM regulated pollutant emitted over the emission limit. This information must be sufficient to provide a reliable emissions estimate if requested by the Administrator.</p>	<p>Rule 335-3-14-.02 Rule 335-3-11-.06 (1) & (38)</p>
<p>14. Pursuant to 40 CFR Part 63, Subpart MM the facility must submit a semiannual Excess Emissions Report and/or Summary Report containing the information required in §63.10 (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 when spent pulping liquor is fed, and when the opacity is greater than 35 percent for 2 percent or more of the operating time within any semiannual period.</p> <p>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 the Excess Emissions Report must be submitted.</p>	<p>Rule 335-3-11-.06 (1) & (38)</p>
<p>15. 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>16. 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>	<p>Rule 335-3-14-.02</p>
<p>17. Records and supporting documentation shall be kept for the compliance determinations, operating ranges, and parameter ranges established for this unit.</p>	<p>Rule 335-3-10-.02 (1)(b)</p>
<p>18. The facility must maintain records demonstrating compliance with the requirement in §63.864(e)(1) to maintain proper operation of an ESP's AVC.</p>	<p>Rule 335-3-11-.06 (1) & (38)</p>

RICE MACT Generators Informational Summary

Description: Chlorine Dioxide Plant Emergency Power Generator, First Aid Emergency Power Generator, Log Scales Emergency Generator, Emergency Firewater Pump Engine, and No. 3 Lime Kiln Emergency Drive Engine

Installation Date:

Chlorine Dioxide Plant Emergency Power Generator	2012 (Model Year 2011)
First Aid Emergency Power Generator	2012 (Model Year 2011)
Log Scales Emergency Generator	2010 (Model Year 2010)
Emergency Firewater Pump Engine	1984 (Model Year 1984)
No. 3 Lime Kiln Emergency Drive Engine	1995 (Model Year 1994)

Operating Capacity:

Chlorine Dioxide Plant Emergency Power Generator	93 hp
First Aid Emergency Power Generator	79 hp
Log Scales Emergency Generator	32 hp
Emergency Firewater Pump Engine	250 hp
No. 3 Lime Kiln Emergency Drive Engine	133 hp

Operating Schedule:	Calendar Year Limit	Non-Emergency Use
Chlorine Dioxide Plant Emergency Power Generator	≤ 500 hours/year	≤ 50 hours/year
First Aid Emergency Power Generator	≤ 500 hours/year	≤ 50 hours/year
Log Scales Emergency Generator	≤ 500 hours/year	≤ 50 hours/year
Emergency Firewater Pump Engine	≤ 500 hours/year	≤ 50 hours/year
No. 3 Lime Kiln Emergency Drive Engine	≤ 500 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 (ClO₂ Plant Emergency Power Generator; First Aid Emergency Power Generator)
- 40 CFR Part 60 Subpart JJJJ (Log Scales Emergency Power Generator)
- 40 CFR Part 63 Subpart ZZZZ (All Units)

Pollutants Emitted

Emission Point #	Point Description	Pollutant	Emission Limit	Standard
	Chlorine Dioxide Plant Emergency Power Generator, First Aid Emergency Power Generator, Log Scales Emergency Generator, Emergency Firewater Pump Engine, No. 3 Lime Kiln Emergency Drive Engine	Opacity	≤ 20% as determined by six-minute average, with one six-minute period up to 40% in any one hour period.	Rule 335-3-4-.01
	Emergency Firewater Pump Engine, No. 3 Lime Kiln Emergency Drive Engine	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 (1) & (103)
X031	ClO ₂ Plant Emergency Power Generator; First Aid Emergency Power Generator CI RICE.	HAPs	a. Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written maintenance instructions;	Rule 335-3-10-.02(87)

			<p>b. Change only those emission-related settings that are permitted by the manufacturer;</p> <p>c. Keep records of conducted maintenance to demonstrate compliance.</p>	
X032	Log Scales Emergency Generator	HAPs	<p>a. Operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions;</p> <p>b. Adjust engine settings according to and consistent with the manufacturer's instructions;</p> <p>c. Keep records of conducted maintenance to demonstrate compliance.</p>	Rule 335-3-10-.02(88)
	Chlorine Dioxide Plant Emergency Power Generator, First Aid Emergency Power Generator	Sulfur Dioxide	≤ 15 ppm fuel oil sulfur content	40 CFR Part 60 Subpart IIII
	Emergency Firewater Pump Engine, No. 3 Lime Kiln Emergency Drive Engine	Sulfur Dioxide	≤ 15 ppm fuel oil sulfur content	40 CFR 80.510(c)

Fuel Specifications	
Sulfur content of fuel oil	<15ppm
Cetane Index	>40 or Maximum aromatic content of 35% by volume

RICE MACT Generators Provisos

Federally Enforceable Provisos

Regulations

Applicability

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| 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 sources are subject to the opacity emission rate limits. | Rule 335-3-4-.01 |
| 3. Emergency Firewater Pump Engine and No. 3 Lime Kiln Emergency Drive Engine are subject to the requirements of National Emission Standards for Hazardous Pollutants General Provisions as provided for in 40 CFR Part 63 Subpart ZZZZ as referenced in ADEM Admin. Code 335-3-11-.06 (103). | Rule 335-3-11-.06 (1) & (103) |
| 4. Chlorine Dioxide Plant Emergency Power Generator and First Aid Emergency Power Generator (Units X031) 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 III). | Rule 335-3-10-.02 (87) |
| 5. Log Scales Emergency Generator (Unit X032) is 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) |

Emission Standards

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| 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. Emergency Firewater Pump Engine, and No. 3 Lime Kiln Emergency Drive Engine 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) |
| 3. Log Scales Emergency Generator 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) |
| 4. Chlorine Dioxide Plant Emergency Power Generator and First Aid Emergency Power Generator shall: a) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission related written maintenance instructions; b) Change only those emission-related settings that are permitted by the manufacturer; c) Keep records of conducted maintenance to demonstrate compliance. | Rule 335-3-10-.02(87) |
| 5. Pursuant to 40 CFR 60.4207(b) and 40 CFR Part 80.510(c), the permittee shall burn diesel fuel in units X031, Emergency Firewater Pump Engine, and No. 3 Lime Kiln Emergency Drive Engine that meet the following per-gallon standards: | Rule 335-3-10-.02 (87) |
| i. Sulfur content shall not exceed 15 parts per million (ppm); and | Rule 335-3-11-.06 (103) |
| ii. Cetane index shall be a minimum of 40 or the aromatic content shall not exceed 35 volume percent. | |

RICE MACT Generators Provisos

Federally Enforceable Provisos	Regulations
Compliance and Performance Test Methods and Procedures	
1. The facility must demonstrate continuous compliance according to the methods specified in Table 6(9) to 40 CFR 63 Subpart ZZZZ for the Emergency Firewater Pump Engine and No. 3 Lime Kiln Emergency Drive Engine.	Rule 335-3-11-.06 (1) & (103)
2. The Chlorine Dioxide Plant Emergency Power Generator and First Aid Emergency Power Generator (Units X031) must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII for compression ignition engines.	Rule 335-3-11-.06 (1) & (103)
3. The Log Scales Emergency Generator (Unit X032) 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 (1) & (103)
Emission Monitoring	
1. The facility must install a non-resettable hour meter and monitor all units according to the requirements of 40 CFR 63.6625(f) and 40 CFR 63.6635.	Rule 335-3-11-.06 (1) & (103)
2. The facility shall monitor and collect data according to the requirements of 40 CFR 63.6635	Rule 335-3-11-.06 (1) & (103)
Recordkeeping and Reporting Requirements	
1. 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 five (5) years from the date of generation of each record.	Rule 335-3-10-.02 (87) Rule 335-3-11-.06 (103)
2. To demonstrate compliance with the fuel limitations, the permittee shall only purchase fuels subject to meeting the fungible specifications for diesel fuel. Records of these fuel purchases 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 five (5) years from the date of generation of each record.	Rule 335-3-10-.02 (87) Rule 335-3-11-.06 (103)