



MAJOR SOURCE OPERATING PERMIT

PERMITTEE:	Boise White Paper, LLC
FACILITY NAME:	Boise White Paper, LLC
FACILITY/PERMIT NO.:	102-0001
LOCATION:	Jackson, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, <u>Ala. Code</u> §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, <u>Ala. Code</u> §§ 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.

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TABLE OF	CONTENTS
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GENERAL PERMIT PROVISOS	0-8
SUMMARY PAGE FOR BROWN STOCK SYSTEM	1-1
PROVISOS FOR BROWN STOCK SYSTEM	1-2
1. Applicability	1-2
2. Emission Standards	1-2
3. Compliance and Performance Test Methods and Procedures	1-2
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	
6. Applicability (State Only)	1-3
7. Emission Standards (State Only)	1-3
8. Compliance and Performance Test Methods and Procedures (State Only)	1-3
9. Emission Monitoring (State Only)	1-3
10. Recordkeeping and Reporting Requirements (State Only)	1-3
SUMMARY PAGE FOR BLEACH PLANT	2-1
PROVISOS FOR BLEACH PLANT	2-2
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	
SUMMARY PAGE FOR CHLORINE DIOXIDE PLANT	3-1
PROVISOS FOR CHLORINE DIOXIDE PLANT	
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	

6. Applicability (State Only)	3-3	
7. Emission Standards (State Only)	3-3	
8. Compliance and Performance Test Methods and Procedures (State Only)	3-3	
9. Emission Monitoring (State Only)	3-3	
10. Recordkeeping and Reporting Requirements (State Only)	3-3	
SUMMARY PAGE FOR LIME KILN	••••••••••••••••	4-1
PROVISOS FOR LIME KILN	••••••	4-2
1. Applicability	4-2	
2. Emission Standards	4-2	
3. Compliance and Performance Test Methods and Procedures	4-2	
4. Emission Monitoring	4-3	
5. Recordkeeping and Reporting Requirements	4-3	
6. Applicability (State Only)	4-5	
7. Emission Standards (State Only)	4-5	
8. Compliance and Performance Test Methods and Procedures (State Only)	4-5	
9. Emission Monitoring (State Only)	4-5	
10. Recordkeeping and Reporting Requirements (State Only)	4-5	
SUMMARY PAGE FOR PAPER MACHINES	••••••	5-1
PROVISOS FOR PAPER MACHINES	••••••••••••••••	5-2
1. Applicability	5-2	
2. Emission Standards	5-2	
3. Compliance and Performance Test Methods and Procedures	5-2	
4. Emission Monitoring	5-2	
5. Recordkeeping and Reporting Requirements	5-2	
SUMMARY PAGE FOR NO. 1 MULTIPLE EFFECT EVAPORATOR SYSTEM		6-1
PROVISOS FOR NO. 1 MULTIPLE EFFECT EVAPORATORS SYSTEM	•••••••	6-2
1. Applicability	6-2	
2. Emission Standards	6-2	

3. Compliance and Performance Test Methods and Procedures	6-2
4. Emission Monitoring	6-2
5. Recordkeeping and Reporting Requirements	6-2
SUMMARY PAGE FOR NO. 2 RECOVERY FURNACE	7-1
PROVISOS FOR NO. 2 RECOVERY FURNACE	
1. Applicability	
2. Emission Standards	7-2
3. Compliance and Performance Test Methods and Procedures	7-2
4. Emission Monitoring	7-2
5. Recordkeeping and Reporting Requirements	7-3
6. Applicability (State Only)	7-5
7. Emission Standards (State Only)	7-5
8. Compliance and Performance Test Methods and Procedures (State Only)	7-5
9. Emission Monitoring (State Only)	7-5
10. Recordkeeping and Reporting Requirements (State Only)	7-5
SUMMARY PAGE FOR NO. 2 SMELT TANK	8-1
PROVISOS FOR NO. 2 SMELT TANK	
1. Applicability	8-2
2. Emission Standards	8-2
3. Compliance and Performance Test Methods and Procedures	8-2
4. Emission Monitoring	8-2
5. Recordkeeping and Reporting Requirements	8-3
6. Applicability (State Only)	8-4
7. Emission Standards (State Only)	8-4
8. Compliance and Performance Test Methods and Procedures(State Only)	8-4
9. Emission Monitoring (State Only)	8-4
10. Recordkeeping and Reporting Requirements (State Only)	

SUMMARY PAGE FOR COMBINATION FUEL BOILER	9-1
PROVISOS FOR COMBINATION FUEL BOILER	9-2
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	
SUMMARY PAGE FOR NO. 3 POWER BOILER	10-1
PROVISOS FOR NO. 3 POWER BOILER	
1. Applicability	10-2
2. Emission Standards	10-2
3. Compliance and Performance Test Methods and Procedures	10-2
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	10-3
SUMMARY PAGE FOR NO. 4 POWER BOILER	11-1
PROVISOS FOR PET NO. 4 POWER BOILER	11-2
1. Applicability	
2. Emission Standards	11-2
3. Compliance and Performance Test Methods and Procedures	11-2
4. Emission Monitoring	11-3
5. Recordkeeping and Reporting Requirements	11-3
SUMMARY PAGE FOR NO. 5 POWER BOILER	12-1
PROVISOS FOR NO. 5 POWER BOILER	
1. Applicability	12-2
2. Emission Standards	12-2
3. Compliance and Performance Test Methods and Procedures	12-2
4. Emission Monitoring	12-3
5. Recordkeeping and Reporting Requirements	

SUMMARY PAGE FOR RECYCLE MILL	
PROVISOS FOR RECYCLE MILL	
1. Applicability	13-2
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	13-2
SUMMARY PAGE FOR PULPING SYSTEM PROCESSES	14-1
PROVISOS FOR PULPING SYSTEM PROCESSES	
1. Applicability	
2. Emission Standards	14-2
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	14-3
SUMMARY PAGE FOR PROCESS CONDENSATES	
PROVISOS FOR PROCESS CONDENSATES	
1. Applicability	15-2
2. Emission Standards	15-2
3. Compliance and Performance Test Methods and Procedures	15-3
4. Emission Monitoring	15-3
5. Recordkeeping and Reporting Requirements	15-4
SUMMARY PAGE FOR ENCLOSURES AND CLOSED-VENT SYSTEMS	
PROVISOS FOR ENCLOSURES AND CLOSED-VENT SYSTEMS	
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	16-3
4. Emission Monitoring	16-3
5. Recordkeeping and Reporting Requirements	16-5

SUMMARY PAGE FOR RICE MACT UNITS	
PROVISOS FOR RICE MACT UNITS	
1. Applicability	
2. Emission Standards	
3. Compliance and Performance Test Methods and Procedures	
4. Emission Monitoring	
5. Recordkeeping and Reporting Requirements	
SOURCES SUBJECT ONLY TO THE GENERAL PROVISOS	

Brown Stock System Informational Summary

Description: 6 Batch Digesters with Brown Stock Washers Pulp Mill

 Installation Date:
 No. 1 – 4:
 1964
 Reconstruction/Modification Date:
 1983, 1993

 No. 5:
 1973
 No. 6:
 1983

 Brown Stock Washers:
 1993

Operating Capacity: Batch Digesters 1 – 6 – 125,464 lb air-dry pulp/hr Brown Stock Washers – 104,167 lb air-dry/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 S

Pollutants Emitted

Emission Point	Point Description	Pollutant	Emission Limit	Standard
Z005	Batch Digesters 1-5	TRS	Incineration	Rule 335-3-504(5)
Z005	Batch Digester 6	TRS	Incineration	Rule 335-3-51002(28)
Z005	Batch Digesters 1-6	HAPs	Incineration	Rule 335-3-1106(1), (18)
X021	Brown Stock Washers	TRS	Incineration	Rule 335-3-1002(28)
X021	Brown Stock Washers	HAPs	Incineration	Rule 335-3-1106(1), (18)

Brown Stock System Provisos

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of AD Admin. Code 335-3-1603, "Major Source Operating Perm	
 The Brown Stock Washers and Digester No. 6 are subject to New Source Performance Standards Subpart BB and 40 CF Subpart A, General Provisions. 	
3. This source is subject to federal National Emission Standard Hazardous Pollutants General Provisions as provided for in of Subpart S and Subpart S (See Provisos for "Pulping Syst Processes", "Process Condensates", and "Enclosures and C Systems" for additional requirements).	Table 1 em
Emission Standards	
 All gases discharged from the Brown Stock Washers and D No. 6 that contain total reduced sulfur in excess of 5 parts p on a dry basis corrected to 10% oxygen shall be incinerated lime kiln or combination fuel boiler subjecting the gases to minimum temperature of 1200 degrees Fahrenheit for at lea seconds. 	a ber million a in the
 See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems" additional requirements. 	for
Compliance and Performance Test Methods and Procedures	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems"	for details.
Emission Monitoring	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems"	for details.
Recordkeeping and Reporting Requirements	
1. See Provisos for "Pulping System Processes", "Process Condensates", and "Enclosures and Closed Vent Systems"	for details.

Brown Stock System Provisos

State	Only Enforceable Provisos	Regulations
Appl	icability	
1.	Digesters 1 through 5 are subject to the requirements of ADEM Admin. Code 335-3-504 (5) total reduced sulfur from Kraft pulp mill digester system.	Rule 335-3-504(5)
Emis	ssion Standards	
1.	For Digesters 1 through 5, all gases discharged that contain total reduced sulfur in excess of 5 parts per million on a dry basis corrected to 10% oxygen shall be incinerated in the lime kiln or combination fuel boiler subjecting the gases to a minimum temperature of 1200° 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 because of properly performed startups, shutdowns or unavoidable malfunctions these emissions will not constitute a violation.	Rule 335-3-504(5)
Com	pliance and Performance Test Methods and Procedures	
1.	This source is subject to no additional specific requirements, other than those listed in the General Permit Provisos.	
Emis	ssion Monitoring	
1.	For total reduced sulfur periodic monitoring, once per day mill personnel shall determine if the gases are being incinerated as required. If gases are not being incinerated, investigate and take corrective action within twenty-four hours.	Rule 335-3-1605(c)
Reco	rdkeeping and Reporting Requirements	
1.	Once per day records determination if total reduced sulfur gases are being incinerated shall be made and maintained on file available for inspection for a period of five years.	Rule 335-3-1605(c)

No. 2 Recovery Furnace Informational Summary

Description:	No. 2 Recovery Furnace
	Utilities

Installation Date: 1973 Reconstruction/Modification Date: N/A

Operating Capacity: 115,500 lb BLS/hr 164 MMbtu/hr on fossil fuels

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 MM

Pollutants Emitted

Emission Point	Point Description	Pollutant	Emission Limit	Standard
Z011-602	No. 2 Recovery Furnace	PM	4.0 lb/ton ADTP	Rule 335-3-407(2)(a)
Z011-602	No. 2 Recovery Furnace	HAPS	0.044 gr/dscf @ 8% O ₂	Rule 335-3-1106(1) and (38)
Z011-602	No. 2 Recovery Furnace	TRS	20 ppm @ 8% O ₂	Rule 335-3-504
Z011-602	No. 2 Recovery Furnace	NOx	10% annual capacity factor for fossil fuels	Rule 335-3-10- .02(2)(b)
Z011-602	No. 2 Recovery Furnace	Opacity	35% (6-min average)	Rule 335-3-1001

Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
No. 2 Fuel Oil	0.3	0.5
Natural Gas		

Fede	erally Enforceable Provisos	Regulations
App	licability	
1.	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1603, "Major Source Operating Permits".	Rule 335-3-1603
2.	This source is subject to the requirements of ADEM Admin. Code 335-3-407(2)(a) particulate matter from kraft pulp mills.	Rule 335-3-407(2)(a)
3.	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1002(2)(b) New Source Performance Standards Subpart Db for nitrogen oxide emissions when natural gas is fired and 40 CFR 60 Subpart A, General Provisions.	Rule 335-3-1002(1) and (2)(b)
4.	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-401 such that the opacity limit is the same as but the source is not subject to the New Source Performance Standards subpart BB for kraft recovery furnaces.	Rule 335-3-401 Rule 335-3-1404
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 335-3-1106(38).	Rule 335-3-1106(1) and (38)
Emi	ssion Standards	
1.	In accordance with 40 CFR Part 63 Subpart MM, as a surrogate for HAPS, the particulate matter emissions shall not exceed 0.044 gr/dscf corrected to 8% O ₂ .	Rule 335-3-1106(1) and (38)
2.	This unit's annual capacity factor for firing fossil fuel shall not exceed ten percent, thus the 40 CFR Part 60 Subpart Db emission standards for nitrogen oxide are not applicable.	Rule 335-3-1002(28)
3.	Opacity shall not exceed 35 percent (6-minute average) and 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 335-3-1002(1) and (28) Rule 335-3-1106(1) and
4.	Particulate matter emissions shall not exceed 4.0 pounds per air-dried tons of pulp from all recovery furnaces.	(38) Rule 335-3-407
5.	The sulfur content of fuel oil shall not exceed 0.3 percent by weight. The facility shall test each shipment of fuel oil to ensure that it contains less than 0.3% sulfur, or obtain information from the vendor regarding the sulfur content of each shipment of fuel oil to be fired in the recovery furnace.	Rule 335-3-1403(2)(d)
Com	pliance and Performance Test Methods and Procedures	
1.	Compliance with the particulate matter emission rates of this unit shall be determined by Reference Method 5 in Appendix A of 40 CFR 60. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-1402

ede	erally Enforceable Provisos	Regulations
2.	Compliance with the opacity standard for this unit shall be determined by Reference Method 9 in Appendix A of 40 CFR 60. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-401
3.	The sulfur content of fuel oil shall be determined by the applicable ASTM Standard.	Rule 335-3-1402
Emi	ssion Monitoring	
1.	A particulate matter emission test shall be performed at least once per year.	Rule 335-3-1402
2.	A continuous opacity monitoring system shall be installed, calibrated, operated and maintained in accordance with provisions in 40 CFR 63.6(h), 63.8, and 63.864(d)(1) through (4).	Rule 335-3-1605 Rule 335-3-1106(1) and (38)
3.	For particulate matter and opacity periodic monitoring when the COMs is available, if the average of any ten consecutive six-minute opacity averages of either stack exceeds 20 percent the cause is to be investigated and appropriate corrective action is to be taken.	Rule 335-3-1605
4.	For particulate matter 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 335-3-1605
5.	In accordance with 40 CFR 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 Part 63 Subpart MM.	Rule 335-3-1106(38)
6.	In accordance with 40 CFR 63.863(c)(1), the first periodic particulate matter performance test shall be performed by October 13, 2020, pursuant to 40 CFR 63.865 and every 5 years thereafter.	Rule 335-3-1106(38)
	Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.	
7.	The facility must maintain proper operation of the electrostatic precipitator's automatic voltage control (AVC) system.	Rule 335-3-1106 (1) and (38)
Reco	ordkeeping and Reporting Requirements	
1.	A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-1402
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 335-3-1402

Fed	erally Enforceable Provisos	Regulations
3.	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 335-3-1402
4.	Records of all six-minute average opacities shall be made and maintained on file available for inspection for a period of five years. These records shall include any period when operating parameter levels were inconsistent with levels established during the initial performance test, with a brief explanation of the cause of the deviation, the time the deviation occurred the time the corrective action was initiated and completed, and the corrective action taken.	Rule 335-3-1402 Rule 335-3-1106(1) and (38)
5.	In accordance with 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, and when a violation is noted when opacity is greater than 35 percent for 2 percent or more of the operating time within any semi-annual period.	Rule 335-3-1106(1) and (38)
6.	The facility shall maintain records of all 6-minute periods when the opacity is greater than 35%.	Rule 335-3-1402
7.	In accordance with 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.	Rule 335-3-1106(1) and (38)
8.	A report shall be submitted to the Department for each calendar quarter within the month following the end of the quarter, certifying that only very low sulfur oil as defined in Subpart Db, was combusted during the reporting period.	Rule 335-3-1002(2)(b)
9.	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.	Rule 335-3-1106(1) and (38)
10	Records and supporting documentation shall be kept for the compliance determinations, operating ranges, and parameter ranges established for this unit.	Rule 335-3-1106(1) and (38)
11	. 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 40 CFR 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 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. 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	Rule 335-3-1106(1) and (38)

Federally Enforceable Provisos	Regulations
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 40 CFR 63.864(k)(2) occurred, information from both the Summary Report and the Excess Emissions Report must be submitted. The reports will include the following information:	
a. The magnitude of emissions greater than 35 percent 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).	
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 opacity monitor 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 opacity monitor was not inoperative or did not require repairs or adjustments, such information will be stated in the report.	

state O	nly Enforceable Provisos	Regulations
Applica	bility	
33	his source is subject to the requirements of ADEM Admin. Code 35-3-504(6) total reduced sulfur from kraft pulp mills. n Standards	Rule 335-3-504(6)
1. To cc If D th sh	otal reduced sulfur emissions shall not exceed 20 parts per million prected to 8 percent oxygen averaged over discrete 12 hour periods. an owner or operator demonstrates to the satisfaction of the irector that emissions in excess of the levels otherwise authorized in is regulation occur as a result of properly performed startups, nutdowns or unavoidable malfunctions these emissions will not onstitute a violation.	Rule 335-3-504
Complia	ance and Performance Test Methods and Procedures	
de	ompliance with the total reduced sulfur emission limit shall be etermined in accordance with the continuous emission monitor, 40 FR Part 60 Method 16, 16A or 16B.	Rule 335-3-1402
Emissio	n Monitoring	
re Sj	TRS continuous emissions monitoring system which meets the quirements of 40 CFR Part 60, Appendix B, Performance pecification 5 shall be installed, operated, calibrated, and aintained.	Rule 335-3-504(8)
m	TRS continuous emission monitor shall be installed, calibrated, aintained and operated in accordance with 40 CFR 60.284, except at monitoring spans may be approved by the Director.	Rule 335-3-504
Record	keeping and Reporting Requirements	
w th	report of excess total reduced sulfur emissions, as defined below, ill be submitted to the Department for each calendar quarter within e month following the end of the quarter. The reports will include e following information:	Rule 335-3-504(9)
a.	The magnitude of excess emissions greater than 20 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.	

State Only Enforceable Provisos	Regulations
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.	

No. 2 Smelt Tank Informational Summary

Description:	No. 2 Smelt Tank
	Utilities

Installation Date: 1973 Reconstruction/Modification Date: N/A

Operating Capacity: 115,500 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 63 Subpart MM

Pollutants Emitted

Emission Point	Point Description	Pollutant	Emission Limit	Standard
Z012-604	No. 2 Smelt Tank	PM	\leq 0.5 lb/ADTP	Rule 335-3-407(2)(b)
Z012-604	No. 2 Smelt Tank	HAPS	PM as a surrogate, 0.2 lb/ton BLS	Rule 335-3-1106(38)
Z012-604	No. 2 Smelt Tank	TRS	\leq 0.033 lb/ton BLS	Rule 335-3-504(7)
Z012-604	No. 2 Smelt Tank	Opacity	20% with one six-minute period up to 40% in any one-hour period	Rule 335-3-401(1)

Applicability 1. This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1603, "Major Source Operating Permits".	gulations
1. This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1603, "Major Source Operating Permits".Rule 335-3-	1603
Admin. Code 335-3-1603, "Major Source Operating Permits".	1603
 This source is subject to the requirements of ADEM Admin. Code 335-3-407(2)(b) for particulate matter from kraft pulp mill smelt tanks. 	407(2)(b)
3. This source is subject to the requirements of ADEM Admin. Code Rule 335-3-401 for opacity.	401
 4. 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 335-3-1106 (38) 	1106(1) and (38)
Emission Standards	
1. Particulate matter emissions shall not exceed 0.2 pounds per ton of black liquor solids fired and shall not exceed 0.5 pound per air-dry ton of pulp produced.Rule 335-3- Rule 335-3-4	. ,
 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 40 percent. 	-401
Compliance and Performance Test Methods and Procedures	
 Compliance with the particulate (PM) emission rates of this unit shall be determined by Reference Method 5 in Appendix A of 40 CFR 60. Alternate test methods may be used provided prior approval by the Department is granted. 	1402
 Compliance with the opacity standard for this unit shall be determined by Reference Method 9 in Appendix A of 40 CFR 60. Alternate test methods may be used provided prior approval by the Department is granted. 	401
Emission Monitoring	
1. A particulate matter emission test shall be performed at least once per year. Rule 335-3-	1402
 A continuous parameter monitoring system (CPMS) shall be properly installed, calibrated, maintained, and operated in such a way as to determine and record the scrubber liquid recirculating flow rate and scrubber differential pressure at least once every 15-mintute periods using procedures in 40 CFR 63.8(c). 	1106(38)
• The monitoring device used for continuous measurement of the scrubber differential pressure must be certified by the	

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	manufactures to the accurate to within a gauge pressure of ± 2 inches of water.	
	• The monitoring device used for continuous measurement of the scrubber liquid recirculating flow rate must be certified by the manufacturer to be accurate within ± 5 percent of the design scrubber liquid recirculating flow rate.	
3.	For particulate matter 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 335-3-1605
4.	For particulate matter periodic monitoring, if any three-hour average wet scrubber pressure drop or liquid flow rate, while liquor is being fired, is less than the average value recorded at the time of the most recent required periodic test that showed compliance or a test approved by the Department that showed compliance, with the exception of pressure drop during periods of startup and shutdown, the cause is to be investigated and appropriate corrective action is to be initiated. This unit will be in violation of 40 CFR 63.862 when six or more 3-hour average flow rate or pressure drop within any 6-month reporting period are below the minimum operating limit established according to 40 CFR 63.864(j) during times when liquor is being fired, with the exception of pressure drop during periods of startup and shutdown). For purposes of determining the number of nonopacity monitoring exceedances, no more than one exceedance will be attributed in any given 24-hour period.	Rule 335-3-1605
5.	As specified in 40 CFR 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 Part 63 Subpart MM.	Rule 335-3-1106(38)
6.	As stated in 40 CFR 63.863(c)(1), the first periodic particulate matter performance test shall be performed by October 13, 2020 pursuant to 40 CFR 63.865 and every 5 years thereafter.	Rule 335-3-1106(38)
	Performance test data must be submitted through CEDRI within 60 days after the date of completing each performance test.	
eco	ordkeeping and Reporting Requirements	
1.	A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-1402
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 335-3-1402

ede	erally Enforceable Provisos	Regulations
3.	Records of all three-hour block average wet scrubber liquid flow rates and pressure drop shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-1402
4.	Records and supporting documentation shall be kept for the compliance determinations, operating ranges, and parameter ranges established for this unit.	Rule 335-3-1106(38)
5.	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 pressure drop value is outside the established range of values), and when a violation is noted (when six or more 3-hour average flow rate or pressure drop values within any 6-month reporting period are outside the established range of values).	Rule 335-3-1106 (1) and (38)
6.	In accordance with 40 CFR 63.866(c), the facility shall maintain the following records in addition to the general records required by 40 CFR 63.10(b)(2):	Rule 335-3-1106(38)
	• Maintain records of parametric monitoring data required under 40 CFR 63.864, including any period when the 3-hour average flow rate or pressure drop 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, and the time corrective action was initiated and completed, and corrective action taken.	
	• Maintain records and documentation of supporting calculations for compliance determination made under 40 CFR 63.865(a) through (d).	
	• Maintain the records of the monitoring parameter ranges for the scrubber flow rates and scrubber pressure drop.	
7.	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 40 CFR 63.867(c), including the number and duration of three hour averages when the flow rate or pressure drop 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 is 5 percent or greater of the total reporting period operating time, or any violations according to 40 CFR 63.864(k)(2) occurred, information from both the Summary Report and Excess Emissions Report must be submitted.	Rule 335-3-1106(38)

Federally Enforceable Provisos	Regulations
Excess Emissions and Summary Reports must be reported electronically via CEDRI per 40 CFR 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.	

State	Only Enforceable Provisos	Regulations	
Appli	icability		
	This source is subject to the requirements of ADEM Admin. Code 335-3-504(7) for total reduced sulfur from kraft pulp mill smelt tanks.	Rule 335-3-504(7)	
Emis	sion Standards		
1.	Total reduced sulfur emissions shall not exceed 0.033 pounds per ton of black liquor solids. 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 335-3-504	
Com	pliance and Performance Test Methods and Procedures		
1.	Compliance with the total reduced sulfur emission limit shall be determined in accordance with the continuous emission monitor, 40 CFR Part 60 Method 16, 16A or 16B.	Rule 335-3-1402	
Emis	sion Monitoring		
1.	A total reduced sulfur emission test shall be performed at least once every 5 years to certify compliance and set periodic monitoring parameters.	Rule 335-3-1402	
2.	For total reduced sulfur periodic monitoring, if the three-hour block average wet scrubber weak wash recirculation flow rate is less than 90 percent of its 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 24 hours.	Rule 335-3-1605	
Reco	rdkeeping and Reporting Requirements		
1.	A total reduced sulfur emission test report shall be submitted to the Department at least once every 5 years.	Rule 335-3-1402	
2.	Records of all three-hour block average wet scrubber weak wash recirculation flow rates shall be made and maintained on file available for inspection for at least five years.	Rule 335-3-1402	

Combination Fuel Boiler Informational Summary

Description:	Combination Fuel Boiler
_	Utilities

Installation Date: 1964 Reconstruction/Modification Date: 1978

Operating Capacity: 294 MMbtu/hr

Operating Schedule: 8760 hours/year

This unit contains equipment that is subject to the following NSPSs, NESHAPs, or MACTs: 40 CFR Part 61 Subpart E 40 CFR Part 63 Subpart DDDDD

Pollutants Emitted

Emission Point	Point Description	Pollutant	Emission Limit	Standard
Z013-601	Combination Fuel Boiler	PM	0.20 gr/dscf @ 50%	Rule 335-3-408
			excess air and/or 116.4	Rule 335-3-1404
			lb/hr	
Z013-601	Combination Fuel Boiler	Filterable	0.44 lb/MMBtu (0.55	Rule 335-3-1106(107)
		PM	lb/MMBtu of steam	
			output)	
Z013-601	Combination Fuel Boiler	SO_2	226 lb/hr	Rule 335-3-1404
Z013-601	Combination Fuel Boiler	CO	268 lb/hr	Rule 335-3-1404
Z013-601	Combination Fuel Boiler	CO	900 ppm by volume on a	Rule 335-3-1106(107)
			dry basis corrected to 3	
			percent oxygen, 30-day	
			rolling average, as	
			measured by a CEMS	
Z013-601	Combination Fuel Boiler	HCl	0.022 lb/MMBtu (0.025	Rule 335-3-1106(107)
			lb/MMBtu of steam	
			output)	
Z013-601	Combination Fuel Boiler	Mercury	3200 grams per 24-hour	40 CFR Chapter I
			period and 5.7E-06	Subchapter C Part 61
			lb/MMBtu (6.4E-06	Subpart E
			lb/MMBtu of steam	Rule 335-3-1106(107)
			output)	
Z013-601	Combination Fuel Boiler	Opacity	20% with one six-minute	Rule 335-3-401
			period up to 40% in any	
			one-hour period	

Permitted Fuels

Fuel	Max % Sulfur	Max % Ash
Wood		
Nos. 2 – 6 Fuel Oil	2.3	N/A
Natural Gas		
Paper Recycling Residuals		

ede	rally Enforceable Provisos	Regulations
Ap	plicability	
1.	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1603, "Major Source Operating Permits".	Rule 335-3-1603
2.	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-408 for particulate matter.	Rule 335-3-408
3.	This source is subject to a Prevention of Significant Deterioration limitation for particulate matter, sulfur dioxide and carbon monoxide.	Rule 335-3-14
4.	This source is subject to the applicable requirements of 40 CFR Part 61 Subpart E for mercury and 40 CFR 61 Subpart A, General Provisions.	40 CFR Part 61 Subpart E
5.	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-401 for opacity.	Rule 335-3-401
6.	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.	Rule 335-3-1106(107)
En	nission Standards	
1.	Particulate matter emissions shall not exceed the more stringent of either 0.20 grains per standard dry cubic foot of air adjusted to 50 percent excess air or 116.4 pounds per hour.	Rule 335-3-408 Rule 335-3-1404
2.	As a surrogate for HAPs, filterable particulate matter emissions shall not exceed 0.44lb/MMBtu of heat input or 0.55 lb/MMBtu of steam output.	Rule 335-3-1106(107)
3.	Sulfur dioxide emissions shall not exceed 226 pounds per hour, twelve-hour average.	Rule 335-3-1404
4.	Carbon monoxide emissions shall not exceed 268 pounds per hour.	Rule 335-3-1404
5.	As a surrogate for HAPs, carbon monoxide emissions shall not exceed 900 ppm by volume on a dry basis corrected to 3% oxygen, on a 30-day rolling average.	Rule 335-3-1106(107)
6.	Hydrogen chloride emissions shall not exceed 0.022 lb/MMBtu of heat input or 0.025 lb/MMBtu of steam output.	Rule 335-3-1106(107)
7.	Mercury emissions shall not exceed 3200 grams per 24-hour period.	40 CFR Part 61 Subpart E
8.	Mercury emissions shall not exceed 5.7E-06 lb/MMBtu of heat input or 6.4E-06 lb/MMBtu of steam output.	Rule 335-3-1106(107)
9.	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 opacity not greater than that designated as forty percent.	Rule 335-3-401

	Provisos	
ede	rally Enforceable Provisos	Regulations
Co	mpliance and Performance Test Methods and Procedures	
1.	Compliance with the particulate matter emission rates of this unit shall be determined by Reference Method 5 in Appendix A of 40 CFR 60. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-1402 Rule 335-3-1106(107)
2.	Compliance with the sulfur dioxide emission limit shall be determined in accordance with the 40 CFR Part 60 Method 6 or 6C. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-1402
3.	Compliance with the opacity standard for this unit shall be determined by Reference Method 9 in Appendix A of 40 CFR 60. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-401
4.	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 335-3-1402 Rule 335-3-1106(107)
5.	Compliance with the hydrogen chloride emission limit shall be determined in accordance with the 40 CFR Part 60 Method 26 or 26A. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-1402 Rule 335-3-1106(107)
6.	Compliance with the mercury emission limit shall be determined in accordance with the 40 CFR Part 60 Method 29, 30A, or 30B, or ASTM D6784. Alternate test methods may be used provided prior approval by the Department is granted.	Rule 335-3-1402 Rule 335-3-1106(107)
7.	A one-time energy assessment shall be performed for this unit in accordance with Table 3 of 40 CFR Part 63 Subpart DDDDD.	Rule 335-3-1106(107)
8.	This source shall meet the tune-up requirements found in Table 3 of 40 CFR Part 63, Subpart DDDDD as referenced in 40 CFR 63.7540(a).	Rule 335-3-1106(107)
9.	Startup and shutdown procedures for this unit shall be followed in accordance with Table 3 of 40 CFR Part 63 Subpart DDDDD.	Rule 335-3-1106(107)
En	nission Monitoring	
1.	A particulate matter emission test shall be performed at least once per year.	Rule 335-3-1402
2.	A continuous system for monitoring sulfur dioxide shall be installed, calibrated, maintained, and operated in accordance with the requirements of 40 CFR Part 60 Appendix B Specification 2.	Rule 335-3-1402
3.	A carbon monoxide emission test shall be performed at least once during the current five year permitting cycle.	Rule 335-3-1402

ede	rally Enforceable Provisos	Regulations
4.	A continuous system for monitoring carbon monoxide shall be installed, calibrated, maintained, and operated in accordance with the requirements of 40 CFR Part 60 Appendix B Specification 4.	Rule 335-3-1106(107)
5.	For particulate matter periodic monitoring, if any three-hour block average steam production 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 steam production rate is to be lowered until compliance is successfully demonstrated at the higher rate.	Rule 335-3-1605
6.	For particulate matter periodic monitoring, if any three-hour block average wet scrubber pressure drop or liquid flow rate is less than 90 percent of its respective lowest value set by the required complying periodic test or a complying test approved by the Department, investigate the cause and take corrective action within twenty-four hours.	Rule 335-3-1605
7.	For sulfur dioxide periodic monitoring, block twelve-hour Continuous Emission Monitoring System readings in pounds per hour are to be taken. If an emission limit exceedance is indicated corrective action is to be taken within twenty-four hours.	Rule 335-3-1605
8.	A hydrogen chloride initial performance test shall be performed within 180 days of the January 31, 2016 compliance date for 40 CFR Part 63, Subpart DDDDD, and annually thereafter within 13 months of the previous test. If performance tests for at least 2 consecutive years show that the hydrogen chloride emissions are at or below 75 percent of the emission limit, and if there are no changes in the operation of the boiler or air pollution control equipment that could increase emissions, performance tests may be conducted for hydrogen chloride every third year. Each such performance test must be conducted no more than 37 months after the previous performance test.	Rule 335-3-1106(107)
9.	A mercury initial performance test or initial fuel sampling demonstration shall be performed within 180 days of the January 31, 2016 compliance date for 40 CFR Part 63, Subpart DDDDD, and annually thereafter within 13 months of the previous test. If performance tests for at least 2 consecutive years show that the mercury emissions are at or below 75 percent of the emission limit, and if there are no changes in the operation of the boiler or air pollution control equipment that could increase emissions, performance tests may be conducted for mercury every third year. Each such performance test must be conducted no more than 37 months after the previous performance test.	Rule 335-3-1106(107)
10.	For carbon monoxide periodic monitoring, rolling thirty-day Continuous Emission Monitoring System readings in parts per million (ppm) are to be taken. If an emission limit exceedance is indicated corrective action is to be taken within twenty-four hours.	Rule 335-3-1106(107)

ede	erally Enforceable Provisos	Regulations	
11.	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 335-3-1402	
Re	cordkeeping and Reporting Requirements		
1.	A particulate matter emission test report shall be submitted to the Department at least once per year.	Rule 335-3-1402	
2.	A record of twelve-hour average sulfur dioxide emissions in pounds per hour 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 335-3-1402	
3.	The sulfur dioxide 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 may be performed in three of four calendar quarters but in no more than three quarters in succession.	Rule 335-3-1402	
4.	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 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 335-3-1106(107)	
5.	The steam production rate shall be recorded continuously.	Rule 335-3-1402	
6.	The wet scrubber pressure drop and liquid flow rate shall be recorded continuously.	Rule 335-3-1402	
7.	A carbon monoxide test report shall be submitted to the Department at least once during the current five-year permitting cycle.	Rule 335-3-1402	
8.	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 335-3-1106(107)	

Pulping System Processes Informational Summary

Description: Pulping System Processes

Installation Date: N/A Reconstruction/Modification Date: N/A

Operating Capacity: N/A

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	1. Pulping System	HAPS	Equipment	Rule 335-3-1106(18)
	Processes LVHC, Batch		systems shall be	
	Digester Systems,		enclosed and	
	Multiple Effect		vented into a	
	Evaporator System,		closed-vent system	
	Turpentine Recovery		and routed to a	
	System and Condensate		control device.	
	Collection System.			
	2. Pulping System			
	Processes HVLC, Brown			
	Stock Washer System			

Pulping System Processes Provisos

Provisos	
Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1603, "Major Source Operating Permits".	Rule 335-3-1603
 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. 	Rule 335-3-1106(1) and .06(18)
Emission Standards	
 For Digesters 1-6, Multiple Effect Evaporators, and Turpentine Recovery System, per the requirements of 40 CFR Part 63 Subpart S; Low Volume High Concentration Gases (LVHC) shall be controlled by incineration in either the combination fuel boiler or the lime kiln. 	Rule 335-3-1101
2. Per the requirements of 40 CFR Part 63 Subpart S, High Volume Low Concentration Gases (HVLC) from the Brown Stock Washer system shall be controlled by incineration in the combination fuel boiler or the lime kiln.	Rule 335-3-1101
3. Periods of excess emissions reported under 40 CFR Part 63.455 shall not be a violation of 40 CFR Part 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 335-3-1101
a) One percent for control devices used to reduce the total HAP emissions from the LVHC system; and	
b) Four percent for control devices used to reduce the total HAP emissions from the HVLC system; and	
c) Four percent for control devices used to reduce the total HAP emissions from both the LVHC and HVLC systems.	
 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 Emission Standards Provisos 2 - 4 of the Enclosures and Closed-Vent Systems Emission section of this permit which may be found on Page 16-2. 	40 CFR 63.443
5. 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:	40 CFR 63.443
a) Reduce total HAP emissions using a boiler, lime kiln or recovery furnace by introducing the HAP emission stream with the primary fuel or into the flame zone.	
b) Reduce total HAP emissions using a boiler with heat input capacity greater than 150 million Btu per hour by introducing the HAP emission stream with the combustion air.	
Compliance and Performance Test Methods and Procedures	

Pulping System Processes Provisos

Federally Enforceable Provisos	Regulations
 See Compliance and Performance Test Methods and Procedures Section of the Enclosures and Closed-Vent Systems provisos for details. 	40 CFR 63.457
Emission Monitoring	
1. For the closed-vent system see the Emission Monitoring Section of the Enclosures and Closed-Vent Systems provisos.	Rule 335-3-1106(18)
Recordkeeping and Reporting Requirements	
 HVLC sources shall meet the Recordkeeping and Reporting Requirements section of the Enclosures and Closed-Vent Systems provisos. 	Rule 335-3-1101
2. LVHC sources such as the Digesters 1-6, Multiple Effect Evaporator System, and Turpentine Recovery System and each applicable enclosure opening, closed-vent system, and closed collection system, shall meet the Recordkeeping and Reporting Requirements section of the Enclosures and Closed-Vent Systems provisos.	Rule 335-3-1101

Process Condensates Informational Summary

Description: Process Condensates

Installation Date: N/A Reconstruction/Modification Date: N/A

Operating Capacity: N/A

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 for each stage where weak liquor is introduced a. The vapors from each stage where weak liquor is introduced (feed stages); and b. Each evaporator vacuum system for each stage where weak liquor is introduced (feed stages) 4. Each HVLC collection system. 	HAPS	Collect the pulping process condensates from equipment systems in this section that total contain a total HAP mass of 3.6 kilograms or more of total HAP per megagram (7.2 pounds per ton) of ODP	Rule 335-3-11- .06(18)	
S446	Process Condensates	HAPS	Treat pulping process to remove 3.3 kilograms or more of total HAP per megagram (6.6 pounds per ton) of ODP		
S446	1.Process Condensates	HAPS	The pulping process condensates from the equipment systems listed in this section shall be conveyed in a closed collection system that is designed	Rule 335-3-11- .06(18)	

and operated to meet

Pollutants Emitted

11011303				
			the requirements specified in 40 CFR 63.446(d)	
S446	1.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)

Feder	ally Enforceable Provisos	Regulations
Appli	cability	
	This source is subject to the applicable requirements of ADEM Admin. Code 335-3-1603, "Major Source Operating Permits".	Rule 335-3-1603
H	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.	Rule 335-3-1106(1) and .06(18)
Emiss	ion Standards	
H F	The combined pulping process condensates that in total contain a total HAP mass of 3.6 kilograms or more of total HAP per megagram (7.2 pounds per ton) of ODP shall be controlled as specified in 40 CFR 53.446(d) and (e).	Rule 335-3-1106(18)
s a	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.	Rule 335-3-1106(18)
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);	
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 40 CFR 63.450 and routed to a control device that meets the requirements in 40 CFR 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.	
t t	Each HAP removed from a pulping process condensate stream during reatment and handling under this section shall be discharged below he liquid surface of a biological treatment system and treated to meet he requirements specified in 40 CFR 63.446 (e)(3), (4), or (5) and otal HAP shall be measured as specified 40 CFR 63.457(g).	Rule 335-3-1106(18)

Fed	Provisos erally Enforceable Provisos	Regulations
	At mills that do not perform bleaching, treat the pulping process condensates to remove 6.6 pounds or more of total HAP per ton of ODP, or achieve a total HAP concentration of 210 parts per million or less by weight at the outlet of the control device.	Rule 335-3-1106(18)
Con	pliance and Performance Test Methods and Procedures	
1.	At 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.	CFR 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 335-3-1106(18)
Emi	ssion Monitoring	
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 335-3-1106(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 requirements specified in 40 CFR 63.446(c).	Rule 335-3-1106(18)
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 3(a) or (b) of this section and shall conduct a performance test each quarter using the procedures specified in paragraph 3(c) of this section. a. Comply with the monitoring and sampling requirements specified in paragraphs (a)(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(a)(ii)(A) and (B) of this section. 	Rule 335-3-1106(18)

	Provisos	
ede	erally Enforceable Provisos	Regulations
	 specified in paragraph 3(c) of this section and the compliance tests specified in paragraph 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(a)(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. b. As an alternative to the monitoring requirements of paragraph 3(a) of this section, conduct daily monitoring of the site-specific 	
	parameters established according to the procedures specified in paragraph 4 of this section.c. Conduct a performance test as specified in 40 CFR 63.457(l) within 45 days after the beginning of each quarter and meet the applicable	
4.	 emission limit in 40 CFR 63.446(e)(2). To establish or reestablish, the value for each operating parameter required to be monitored by this section or to establish appropriate parameters for provisos 3(b) of this section, each owner or operator shall use the following procedures" 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 provisos 2 of this section; and d. Provide for the Administrator's approval the rationale 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. 	Rule 335-3-1106(18)
5.	with the applicable emission standard. 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 paragraphs 1 through 4 of this section and established under this subpart. Except as provided in paragraph 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	Rule 335-3-1106(18)

edera	ally Enf	forceable Provisos	Regulations
p aj	rocedur pplicabl	es required by this subpart shall constitute a violation of the le emission standard of this subpart and be reported as a rexcess emissions.	
an se o d m p o se n	n open lection w wher or emonstri- nonitorin paramete or any of ection a	edures of this paragraph apply to each owner or operator of biological treatment system complying with proviso 3 of this whenever a monitoring parameter excursion occurs, and the operator chooses to conduct a performance test to rate compliance with the applicable emission limit. A ng parameter excursion occurs whenever the monitoring ers specified in paragraphs (a)(i)(A) through (C) of this section of the monitoring parameters specified in paragraph (b) of this re below minimum operating parameter values or above m operating parameter values established in proviso 4 of this	Rule 335-3-1106(18)
	paran i. ii. iii. o. A par stand proce	 bon as practical after the beginning of the monitoring neter excursion, the following requirements shall be met: Before the steps in paragraph 6(a)(ii) or (iii) of this section are performed, all sampling and measurements necessary to meet the requirements in paragraph 6(b) of this section shall be conducted. Steps shall be taken to repair or adjust the operation of the process to end the parameter excursion period. Steps shall be taken to minimize total HAP emissions to the atmosphere during the parameter excursion period. rameter excursion is not a violation of the applicable emission lard if the results of the performance test conducted using the edures in this paragraph demonstrate compliance with the cable emission limit in 40 CFR 63.446(e)(2). Conduct a performance test as specified in 40 CFR 63.457 using the monitoring data specified in paragraph 3(a) or (b) of this section that coincides with the time of the parameter 	
	ii.	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. If the results of the performance test specified in paragraph 6(b)(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.	
	iii.	If the results of the performance test specified in paragraph $6(b)(i)$ of this section do not demonstrate compliance with the applicable emission limit in 40 CFR 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	

	Provisos	
Federally E	nforceable Provisos	Regulations
	63.446(e)(2), then the owner or operator shall perform the	
	following comparisons:	
	A. If the value of fbio (MeOH) determined during the	
	performance test specified in paragraph 6(b)(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.	
	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	
	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(b)(i) of this section shall be recorded as specified in 40	
	CFR 63.454(f).	
	n owner or operator determines that performing the required	
-	cedures under paragraph 6(b) of this section for a non-	
	roughly mixed open biological system would expose a worker	
	dangerous, hazardous, or otherwise unsafe conditions, all of the	
	lowing 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 $6(c)(i)$ 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 $G(x)$	
	6(c)(i) of this section is less than the percent reduction or mass remained at a dards an ariting $40 CEP (2, 446(a)/2)$	
	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 $6(c)(i)$, 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	
1.	worker to dangerous, hazardous, or otherwise unsafe	
	conditions shall be documented according to requirements	
	in 40 CFR 63.454(e) and reporting in 40 CFR 63.455(f).	
v.	The requirements of paragraphs 6(a) and (b) of this section	
v.	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	

conditions.

Fed	erally Enforceable Provisos	Regulations
Rec	ordkeeping 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 335-3-1101
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 335-3-1101
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 Number 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 335-3-1101
4.	The owner or operator of an open non-thoroughly 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(l).	Rule 335-3-1101
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 335-3-1101
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 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.	Rule 335-3-1101
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	Rule 335-3-1101

Federally Enforceable Provisos	Regulations
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(l) could not be performed.	

Sources Subject Only to the General Provisos Informational Summary

Description:

Emission Unit No:

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:

Pollutants Emitted

Emission limitations:

Description	Regulation
Bark Loading, Unloading and Storage	General Provisos
Black Liquor and Knot Fill Tank	General Provisos
Black Liquor Oxidation Tank	General Provisos
Brownstock High Density Pulp Storage Tanks (3)	General Provisos
Green Liquor Clarifier	General Provisos
Green Liquor Storage Tank	General Provisos
Heavy Black Liquor Storage Tank	General Provisos
Lime Mud Precoat Filter	General Provisos
Lime Mud Precoat Filter Vacuum Pump	General Provisos
Lime Mud Washer	General Provisos
Lime Slaker with Causticizers	General Provisos
No. 2 Recycle Plant	General Provisos
No. 1 Weak Black Liquor Storage Tank	General Provisos
No. 2 Weak Black Liquor Storage Tank	General Provisos
Soap Skimmer Tank	General Provisos
Softwood Loading, Unloading and Storage	General Provisos
Tall Oil Reactor	General Provisos
Washed Stock Storage Chest	General Provisos
Wastewater Treatment Fugitives	General Provisos
White Liquor Clarifier	General Provisos